

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

The requested documents have been generated by BIRIS.

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Note

Remove existing Chain Link Railing Type 7,
core 152 mm x 230 mm deep hole at existing
post location for new posts

132 582 ± Chain Link Railing Type 6 Mod on Concrete Barrier Type 26



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	129	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
No 52003
Exp 12-31-02
CIVIL
DIOSDADO ACOPA
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NOTE
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL

NOTES

- — Indicates existing
- (Indicates approximate location of
existing electroliner (To remain)

- * Note:
The addition of a 1/4" x 3" x 20'
cover plate to all bridge railing
except at Cosmos Playground POC.
- * See sheet 130/133 for details.

ASHLAN AVENUE OC

Br No 42-0140, Fre, KP 42 8
I 250



AS BUILT

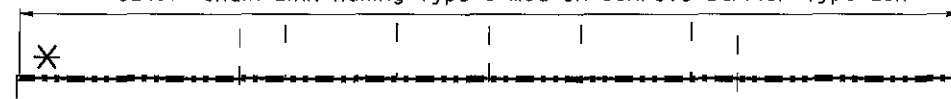
MRC 1-3-03

CORRECTIONS BY John Borquez

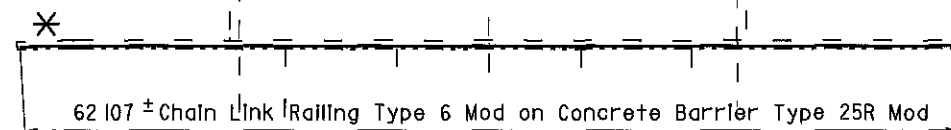
CONTRACT NO 06-440104

DATE 11-14-02

62 107 ± Chain Link Railing Type 6 Mod on Concrete Barrier Type 26R



℄ Pacific Ave



62 107 ± Chain Link Railing Type 6 Mod on Concrete Barrier Type 25R Mod

To Fresno

Note

Remove existing Chain Link Railing Type 7
core 152 mm x 230 mm deep hole at existing
post location for new posts

PACIFIC AVENUE OC

Br No 42-0189, Fre, KP 36 0
I 250



ASHLAN AVENUE OC 42-0140
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION O
CHAIN LINK RAILING (TYPE 6 MODIFIED)

LUMP SUM
133 m

PACIFIC AVENUE OC 42-0189
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION P
CHAIN LINK RAILING (TYPE 6 MODIFIED)

LUMP SUM
124 m

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

 DESIGN ENGINEER 10/3/00	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	Various		ROUTE 99 BRIDGES GENERAL PLAN NO. 7
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	CHECKED J Maroney	9/00		KILOMETER POST	Varies		
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00										

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

CU 06015
EA 440101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00	7/17/00	9/28/00	10/3/00						
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SHEET 7 OF 11



NOTE
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ANY MATERIAL

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	123	133

10/3/00
REGISTERED CIVIL ENGINEER

11-13-00
PLANS APPROVAL DATE

DIOSDADO ACOPA
No 52003
Exp 12-31-02
CIVIL
STATE OF CALIFORNIA

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NOTES

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- C Indicates approximate location of existing electroliner (to remain)
- ↓ Indicates approximate location of remove and reinstall sign on new post
- Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

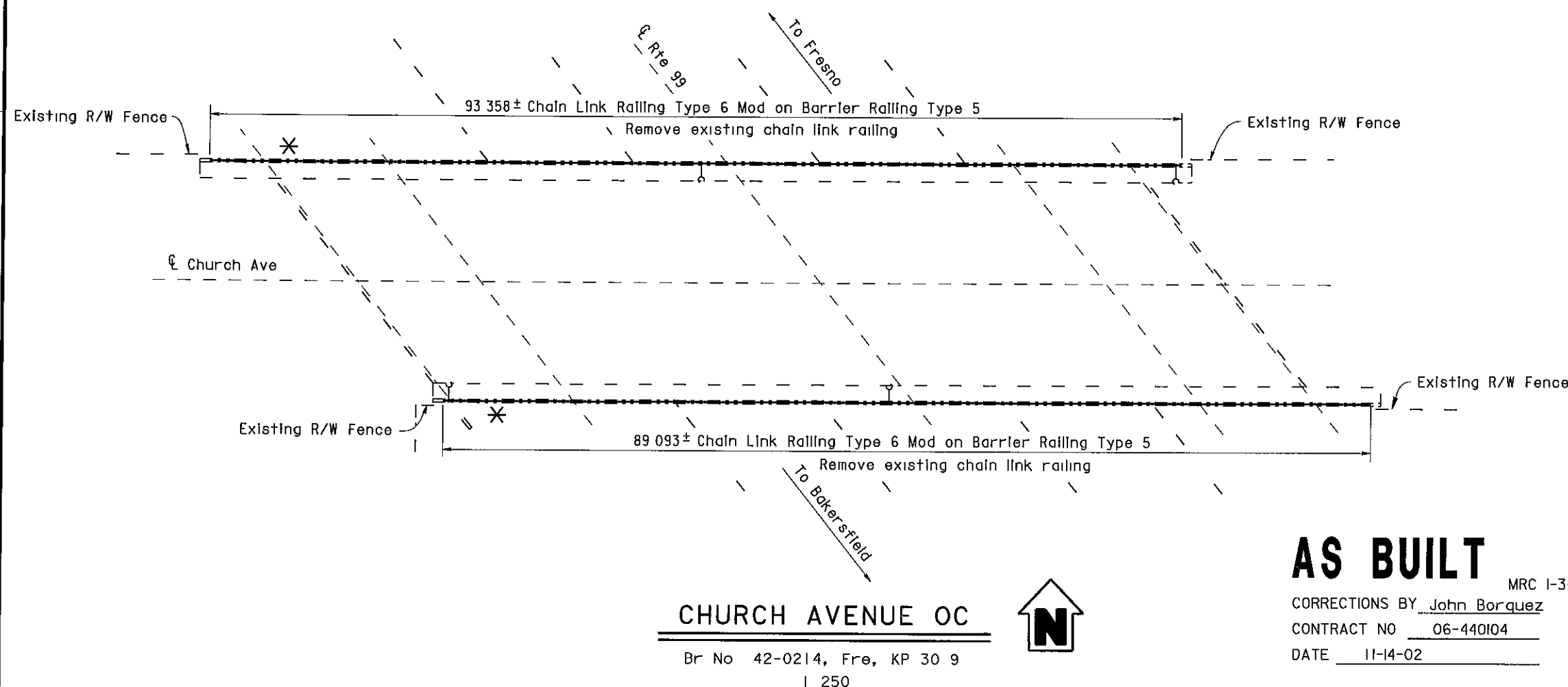
- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

NORTH AVENUE OC

Br No 42-0210, Fre, KP 27 8
I 250



Existing electroliners removed from Church Ave. O.C.



CHURCH AVENUE OC

Br No 42-0214, Fre, KP 30 9
I 250



AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

NORTH AVENUE OC 42-0210	
QUANTITIES	
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM
CHAIN LINK RAILING (TYPE 6 MODIFIED)	189 m
CHURCH AVENUE OC 42-0214	
QUANTITIES	
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP SUM
CHAIN LINK RAILING (TYPE 6 MODIFIED)	183 m

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 1
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00			Varies	
QUANTITIES	D Acoba	5/00	F Tannous	5/00									

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 10/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 06015
EA 440101

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00 7/17/00 9/28/00 10/3/00

SHEET 1 OF 1



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	124	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
No 52003
Exp 12-31-02
CIVIL
DIOSDADO ACOPA
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ANY MATERIAL

NOTES

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- (Indicates approximate location of existing electroliner (To remain)

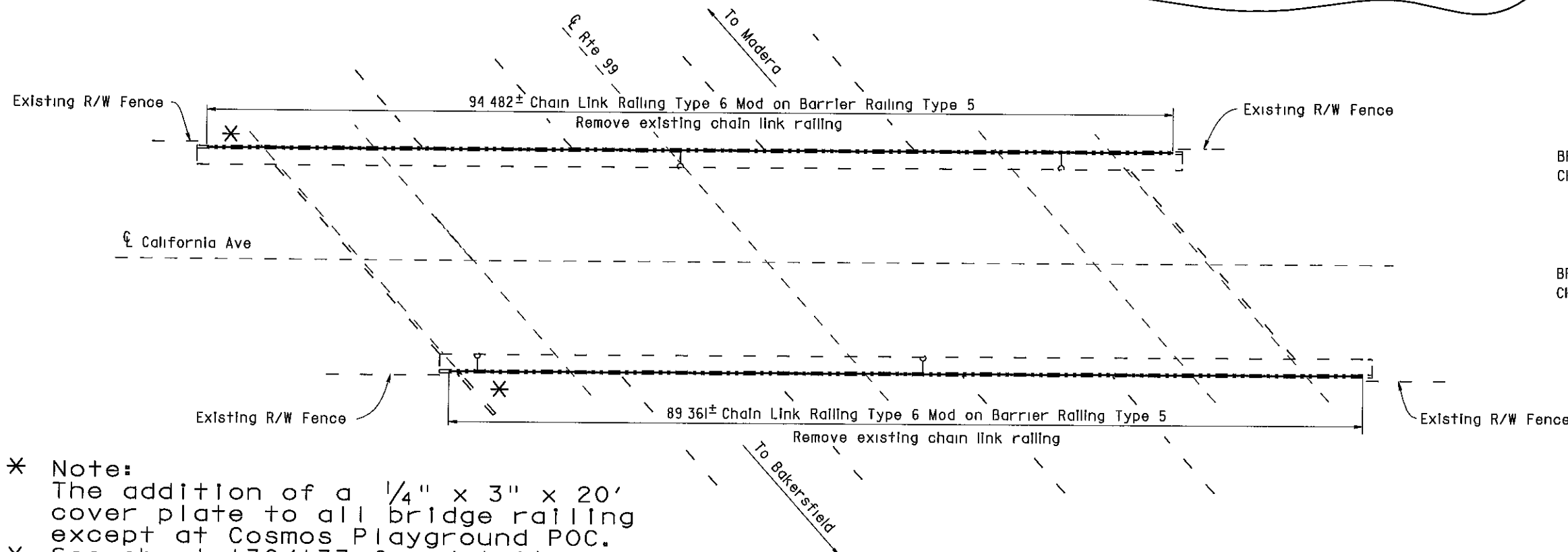
Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

Access opening was fabricated for City access to electroliners

- Existing chain link railing remained and was painted.
- New 1" mesh was installed and replaced the old 2" mesh.
- Existing electroliners remained.

COSMOS PLAYGROUND POC

Br No 42-0215, Fre, KP 31 2
I 250



- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

CALIFORNIA AVENUE OC

Br No 42-0217, Fre, KP 32 0
I 250



COSMOS PLAYGROUND POC 42-0215

QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION C
CHAIN LINK RAILING (TYPE 3 MODIFIED) LUMP SUM 209 m

CALIFORNIA AVENUE OC 42-0217

QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION D
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 184 m

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

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DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 2
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00	CU 06015	EA 440101	Varies	
QUANTITIES	D Acoba	5/00	F Tannous	5/00									

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 10/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

REVISION DATES (PRELIMINARY STAGE ONLY)

REVISION	DATE	DESCRIPTION
1	5/15/00	
2	7/17/00	
3	9/26/00	
4	10/3/00	

SHEET 2 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	125	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
No. 52003
EXP. 12-31-02
CIVIL
DIOSDADO ACOPA
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VENTURA STREET OC 42-0158K
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION E
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 78 m

VENTURA STREET OC 42-0158E
QUANTITIES
BRIDGE REMOVAL (PORTION) LOCATION F
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 122 m

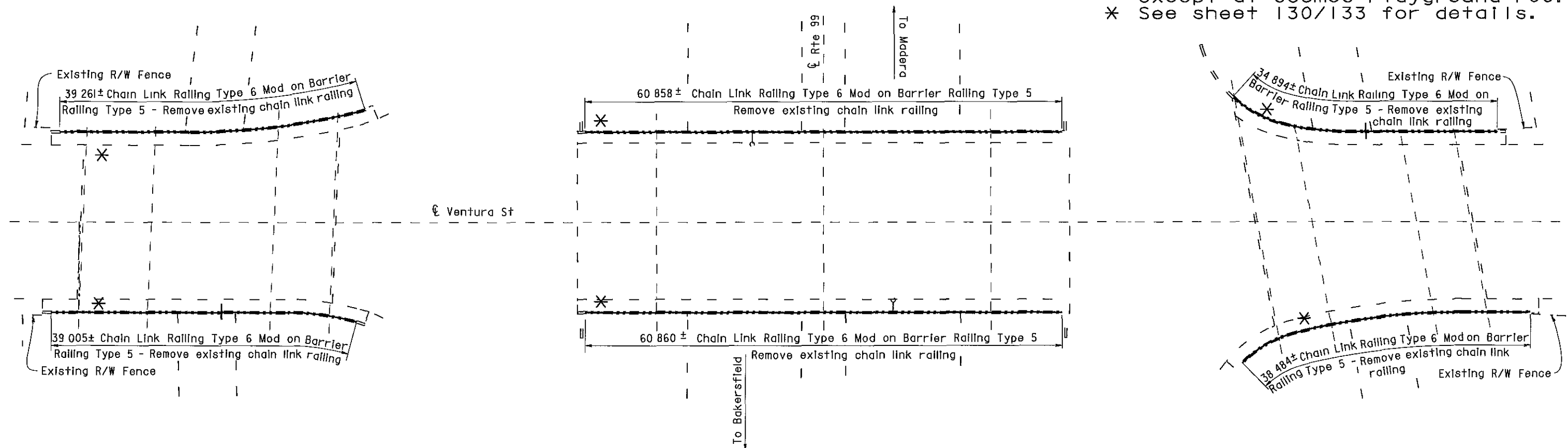
VENTURA STREET OC 42-0158S
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION G
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 74 m

NOTES

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NOTE
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- * See sheet 130/133 for details.



Br No 42-0158K

Bridges 42-0158K and 42-0158S were both painted with Color No. 20109 - "Deep red".

Br No. 42-0158E

VENTURA STREET OC

Fre, KP 32 5
1 250

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

Br No 42-0158S

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN ENGINEER	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 3
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00	CU 06015	EA 440101	Varies	
QUANTITIES	D Acoba	5/00	F Tannous	5/00						FILE => nagp3.dgn			

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00 11/17/00 9/28/00 10/3/00

SHEET 3 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	130	133

10/3/00

REGISTERED CIVIL ENGINEER

11-13-00

PLANS APPROVAL DATE

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DIOSDADO ACOSTA

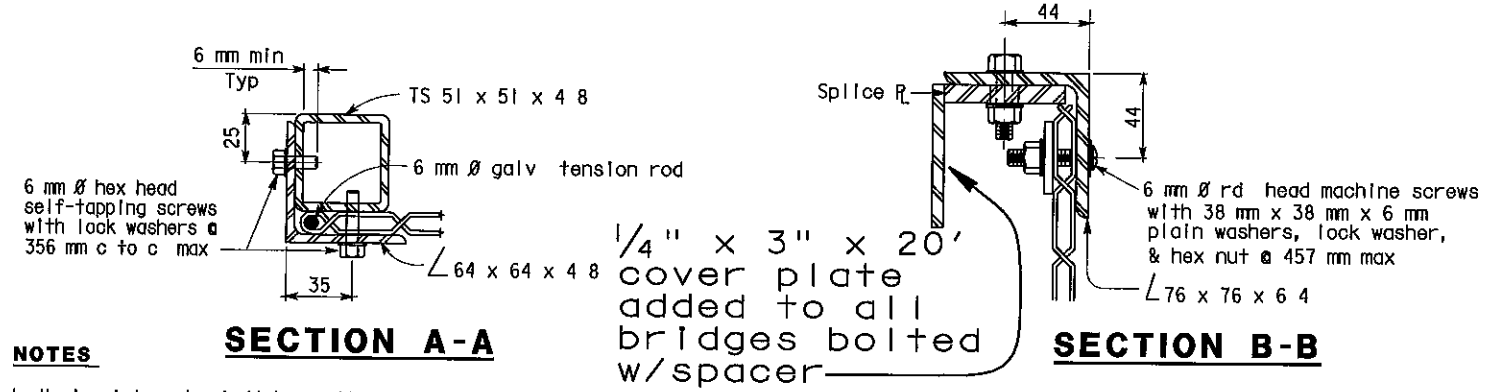
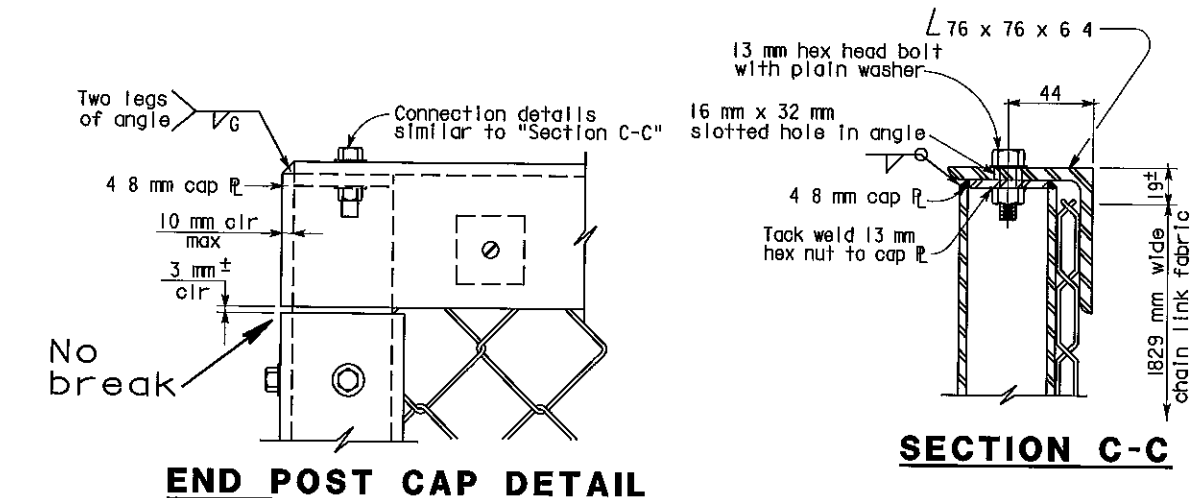
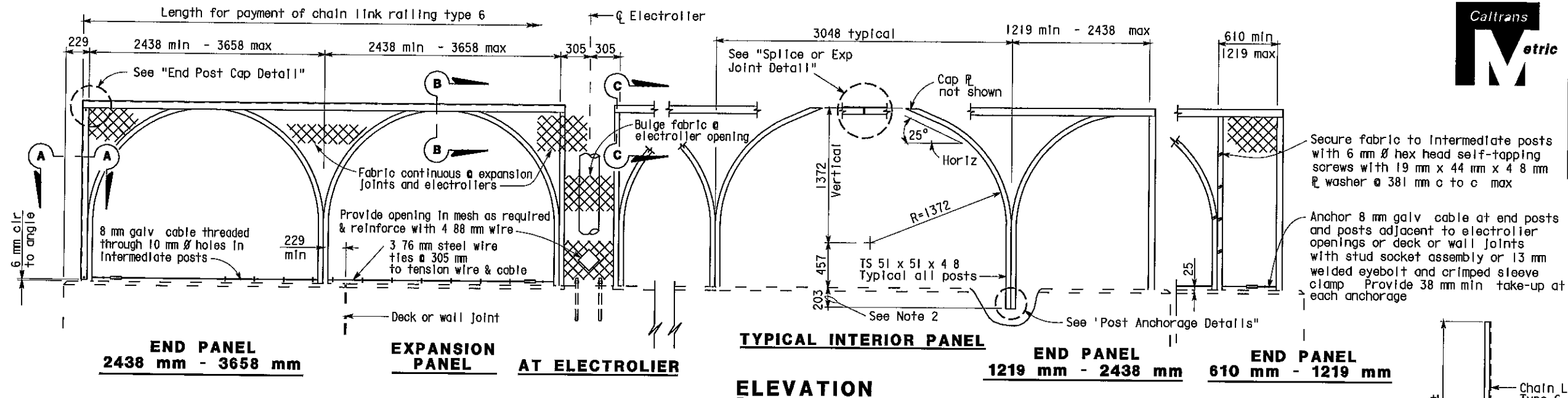
No 52003

Exp 12-31-02

CIVIL

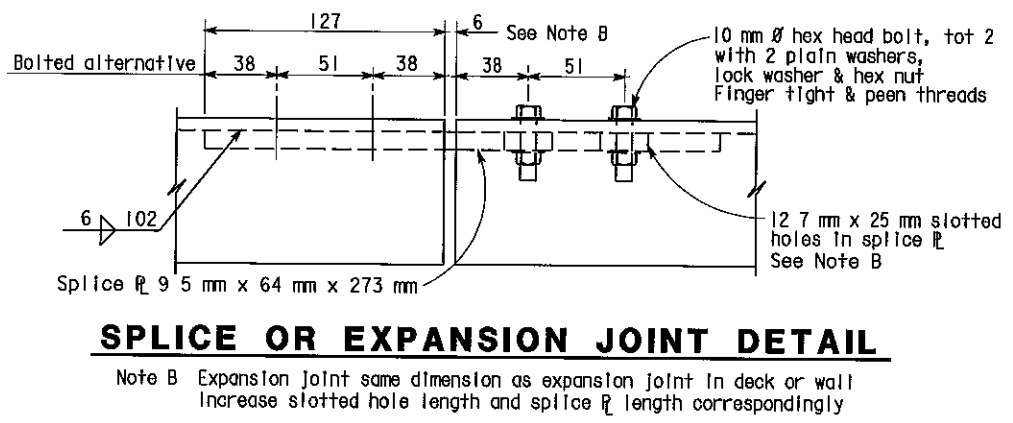
STATE OF CALIFORNIA

NOTE
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NOTES

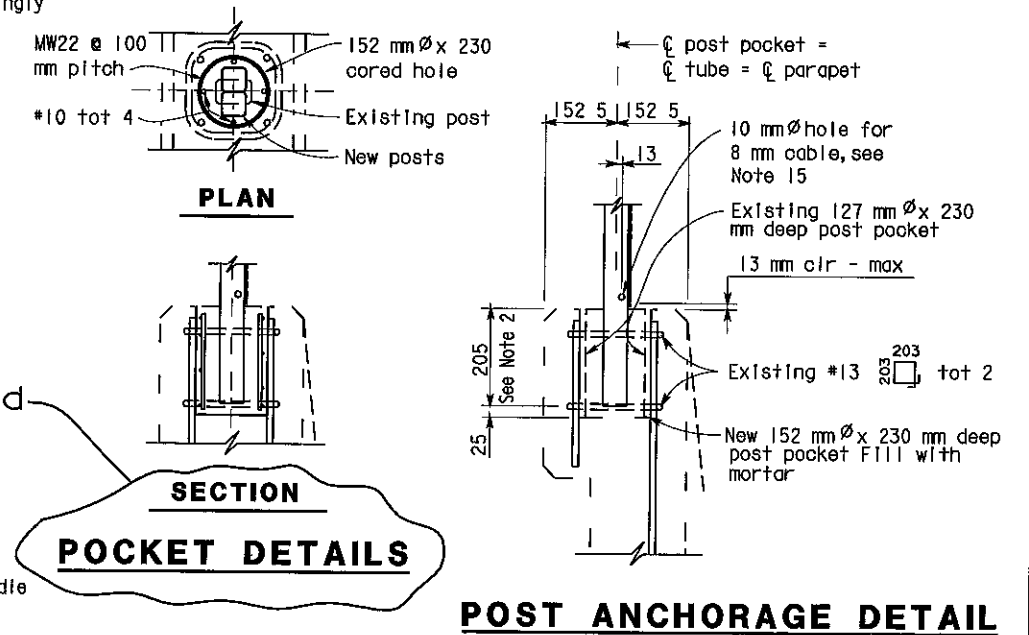
- Horizontal angle shall be continuous over not less than two intermediate posts except that a shorter length is permitted at expansion joints, electroliers and other rail discontinuities
- One post may be embedded 152 mm minimum to accommodate grade changes, otherwise fabricate post lengths as required
- Curved posts may be rotated in plan within its post pocket to accommodate curved horizontal alignment
- Straight posts and straight portions of curved posts shall be installed normal to bridge profile grade
- Top horizontal angle shall be parallel to bridge profile grade and shall be shop bent to fit horizontal curves
- When railing is on slope, fabric shall be placed parallel to slope
- Alternative details may be submitted by Contractor for Engineer's approval
- Railing assembly except chain link fabric shall be galvanized after fabrication
- For details and reinforcement not shown, see "Concrete Barrier Type 25 or 26" sheet
- See Bridge Plans for limits of Chain Link Railing Type 6 Mod
- Provide thimbles at all cable loops



AS BUILT

MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

Detail omitted



ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN				BY D Acoba				CHECKED F Tannous				5/00				STATE OF CALIFORNIA				ENGINEERING SERVICE CENTER				BRIDGE NO				ROUTE 99 BRIDGES			
DETAILS				BY K Endow				CHECKED F Tannous				5/00				DEPARTMENT OF TRANSPORTATION				STRUCTURE MAINTENANCE				Various				CHAIN LINK RAILING TYPE 6 MOD NO. 1			
QUANTITIES				BY D Acoba				CHECKED F Tannous				5/00				CU 06015				EA 440101				Varies				REVISION DATES (PRELIMINARY STAGE ONLY)			
ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS				0 10 20 30 40 50 60 70 80 90 100				FILE > nat61.dgn				DISREGARD PRINTS BEARING EARLIER REVISION DATES				5/15/00 1/17/00 3/28/00 10/3/00				SHEET 8 OF 11				USERNAME				DATE PLOTTED 03-JAN-2003			



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	Fre	99	23 3/50 7	128	133

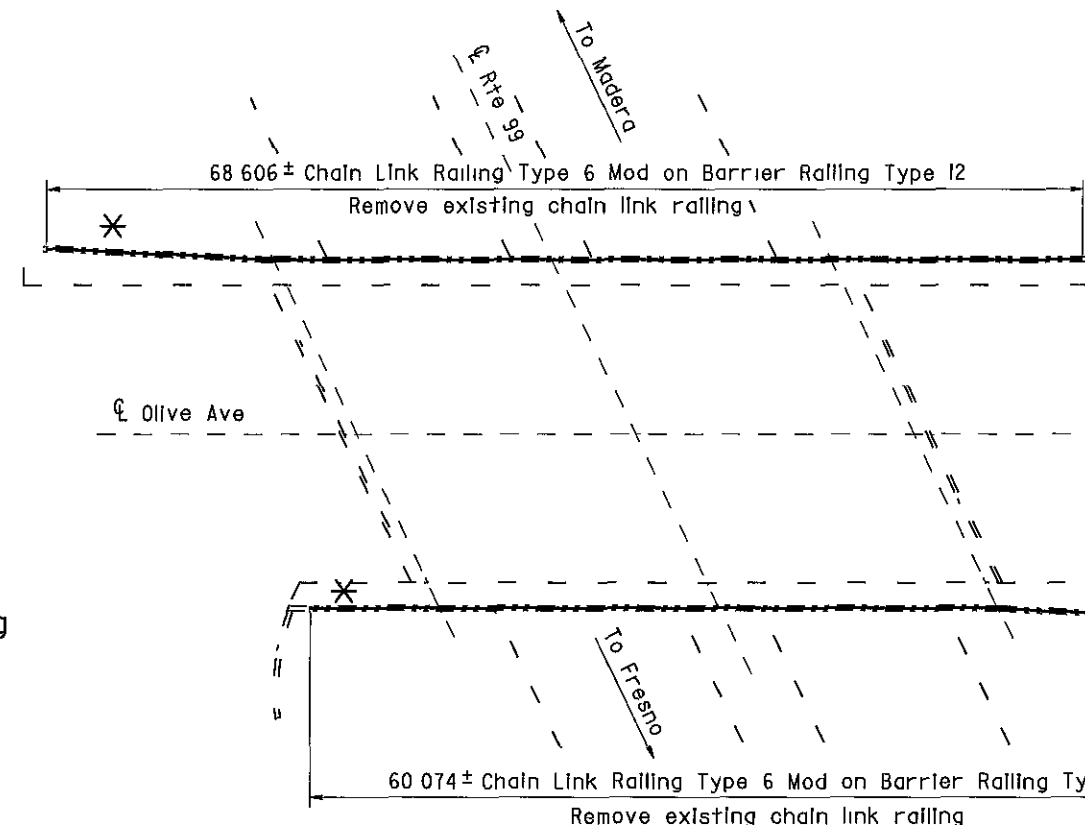
REGISTERED CIVIL ENGINEER
10/3/00
11-13-00
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- * See sheet 130/133 for details.



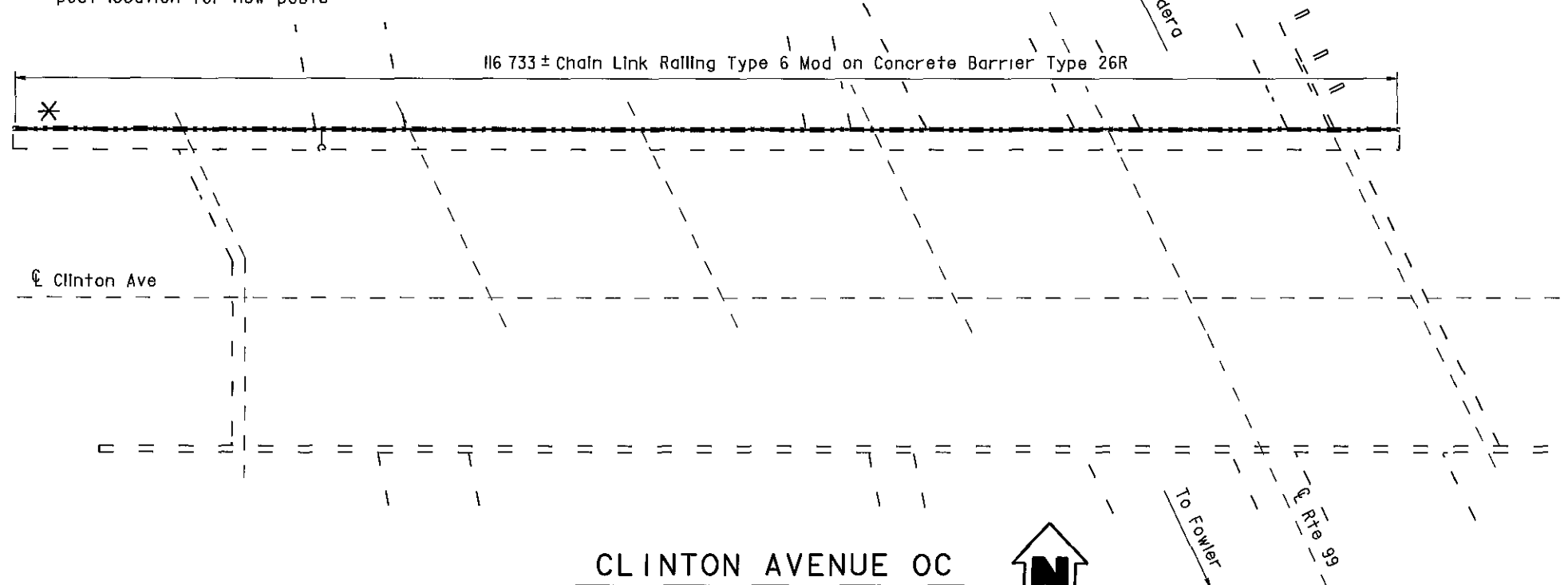
OLIVE AVENUE OC

Br No 42-0187, Fre, KP 37 5
I 250



Note

Remove existing Chain Link Railing Type 7
core 152 mm x 230 mm deep hole at existing
post location for new posts



CLINTON AVENUE OC

Br No 42-0183, Fre, KP 39 3
I 250

OLIVE AVENUE OC 42-0187 QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION M
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM
129 m

CLINTON AVENUE OC 42-0183 QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION N
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM
116 m

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

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DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES	
DESIGN	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 6	
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00	CU 06015 EA 440101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET 6 OF 11
QUANTITIES	D Acoba	5/00	F Tannous	5/00										

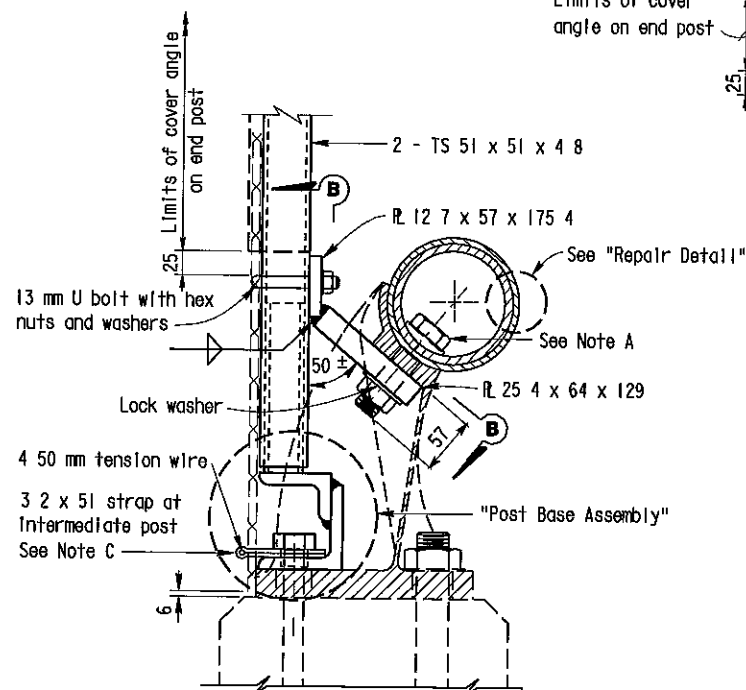
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

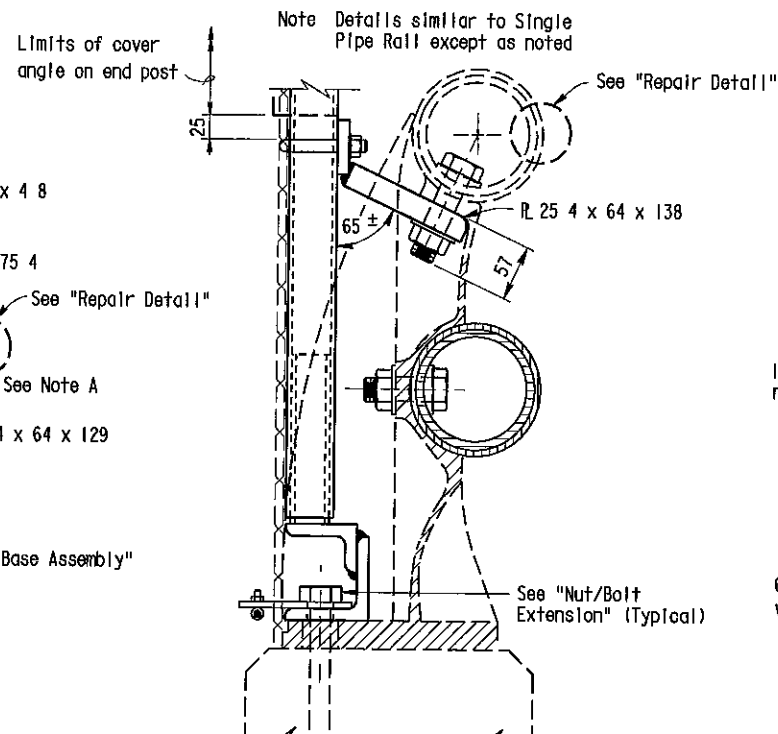
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Note A

Replace existing bolt with 25 mm x 102 mm bolt



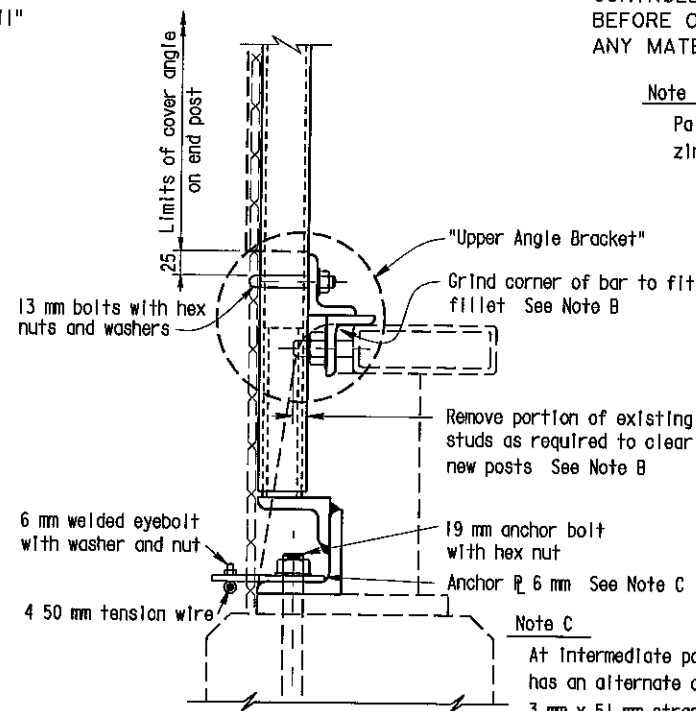
**SECTION A-A
(SINGLE PIPE RAIL)**



**SECTION A-A
(DOUBLE PIPE RAIL)**

ATTACHMENT DETAILS

Note Details for Type 9 and Type 11 Metal Railing are similar, Type 11 not shown



**SECTION A-A
(TUBE RAIL)**

Note C
At intermediate posts only contractor has an alternate of 3 mm x 51 mm strap or 6 4 mm anchor plate with eyebolt

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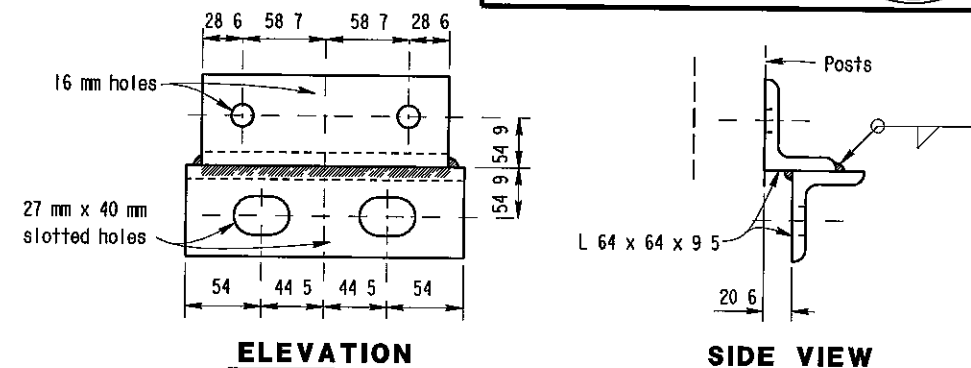
Note B

Paint all cut and ground surfaces with zinc rich paint

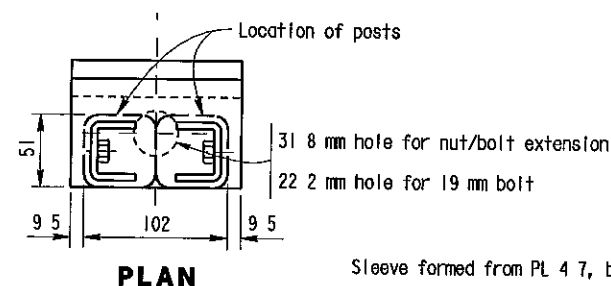


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No 52003
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STATE OF CALIFORNIA

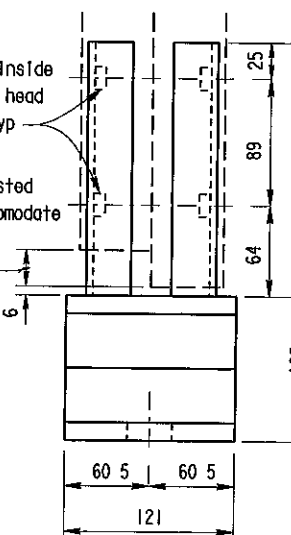


UPPER ANGLE BRACKET

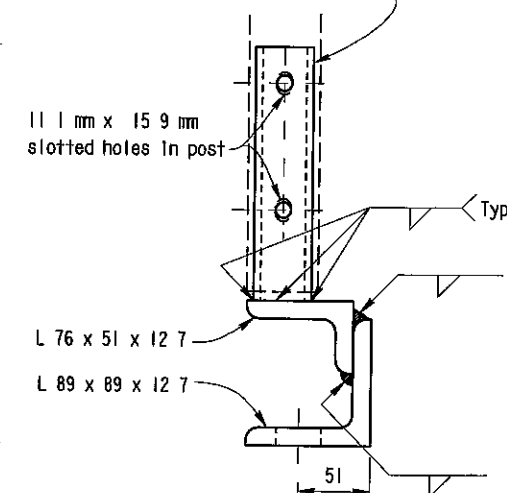


PLAN

Sleeve formed from PL 4 7, bent thus for sliding fit inside of post - Typ

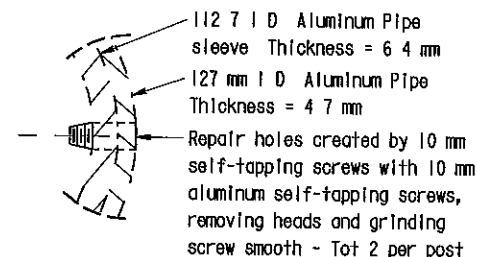


ELEVATION

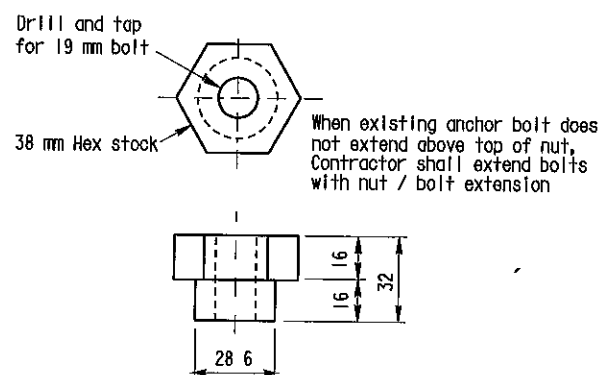


SIDE VIEW

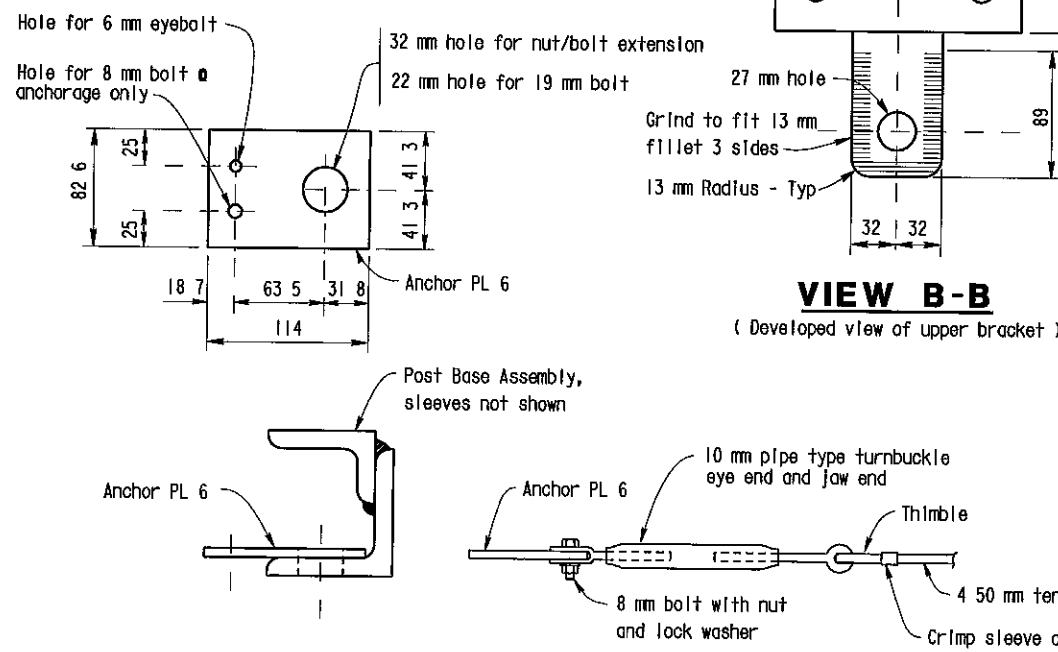
POST BASE ASSEMBLY



REPAIR DETAIL



NUT/BOLT EXTENSION



**VIEW B-B
(Developed view of upper bracket)**

BOTTOM ANCHORAGE DETAIL

NO CORRECTIONS AS BUILT

MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN	BY D Acoba	5/00	CHECKED F Tannous	5/00
DETAILS	BY K Endow	5/00	CHECKED F Tannous	5/00
QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER
STRUCTURE MAINTENANCE

BRIDGE NO
Various
KILOMETER POST
Varies

ROUTE 99 BRIDGES
CHAIN LINK RAILING TYPE 6 MOD NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

CU 06015
EA 440101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

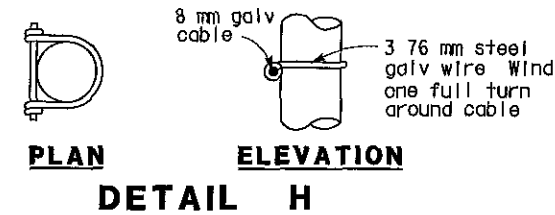
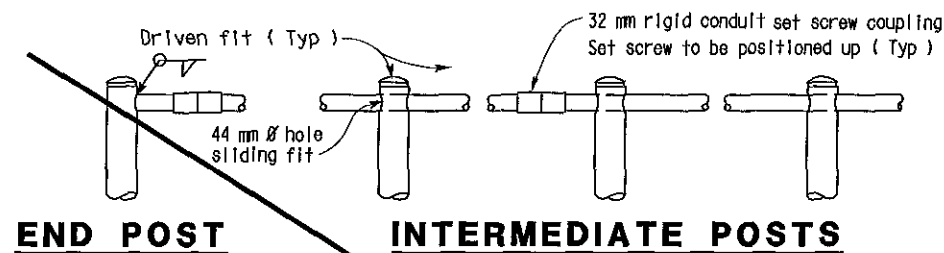
REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 10 OF 11

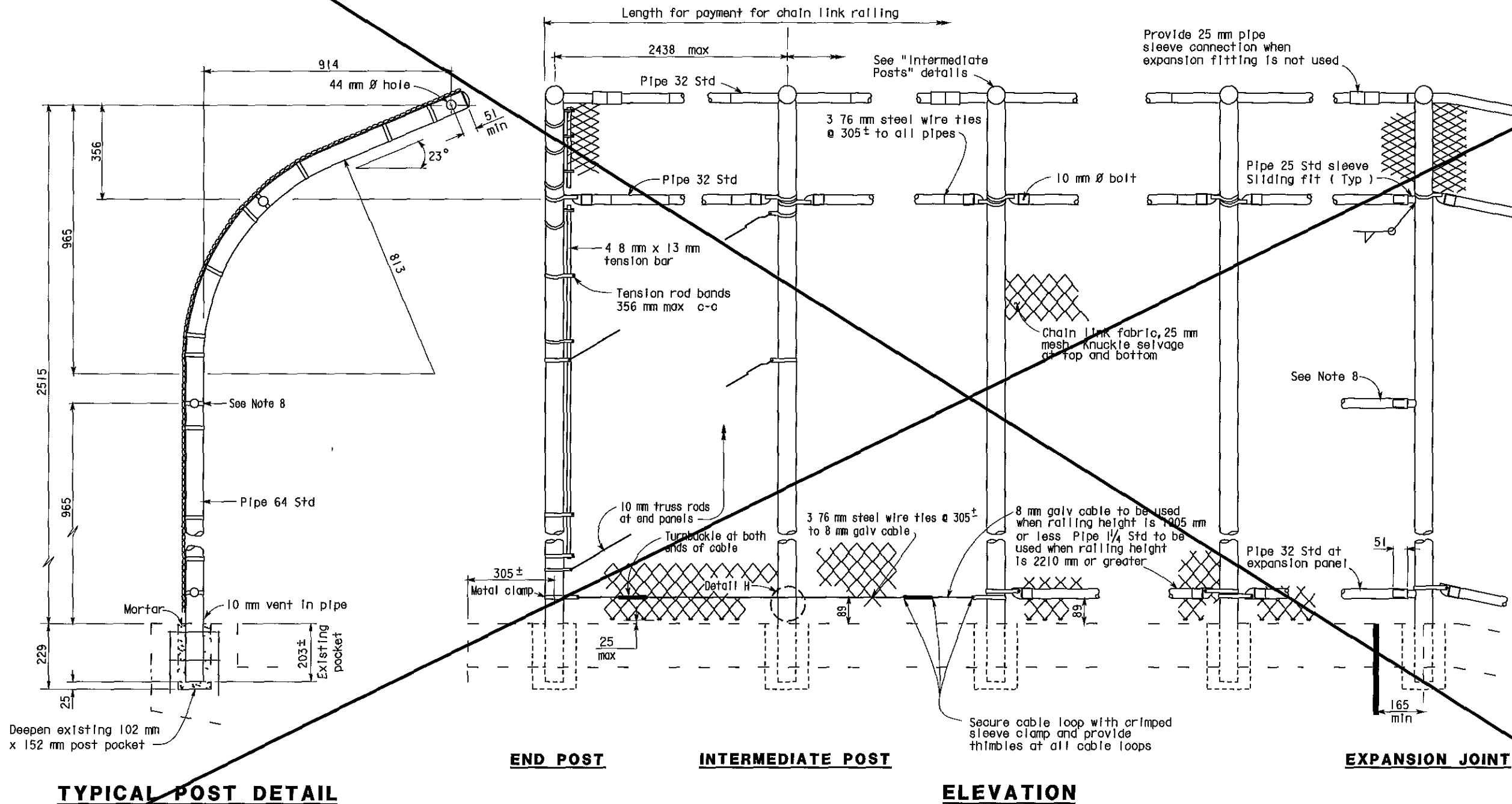


DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	Fre	99	23 3/50 7	133	133

REGISTERED ENGINEER - CIVIL	10-3-00	
11-13-00	PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



- NOTES:**
- 1 Railing assembly except chain link fabric to be galvanized after fabrication
 - 2 Railing shall conform to horizontal and vertical alignment. Posts shall be vertical. Horizontal pipes shall be bent if radius is 45.72 m or less may be on 2.438 m chords if radius is over 45.72 m
 - 3 Peen all 10 mm Ø bolts
 - 4 When railing is on slope fabric shall parallel to slope
 - 5 Alternative details may be submitted by Contractor for Engineer's approval
 - 6 Additional pipe 32 std required on radius less than 45.72 m



Sheet Deleted

No Type 3 Modified Railing was used on this contract

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

SPECIAL DETAIL

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

STANDARD DRAWING				
FILE NO	XS 9 81	DESIGN BY	R W BISHOP	CHECKED
DRAWING DATE	Revised	DETAILS BY	R YEE	CHECKED
		SUBMITTED BY	R W BISHOP	
DS OSD 2147A (METRIC) (REV 2/25/97)		APPROVAL RECOMMENDED BY		
		DESIGN SUPERVISOR		

Revised sheet - removed handrailing and electrical details and notes

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER
STRUCTURE MAINTENANCE

BRIDGE NO
Various
KILOMETER POST
Varies

ROUTE 99 BRIDGES

CHAIN LINK RAILING TYPE 3 MOD

CU 06105
EA 452001

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

USERNAME > moar!son

x*981 dgn

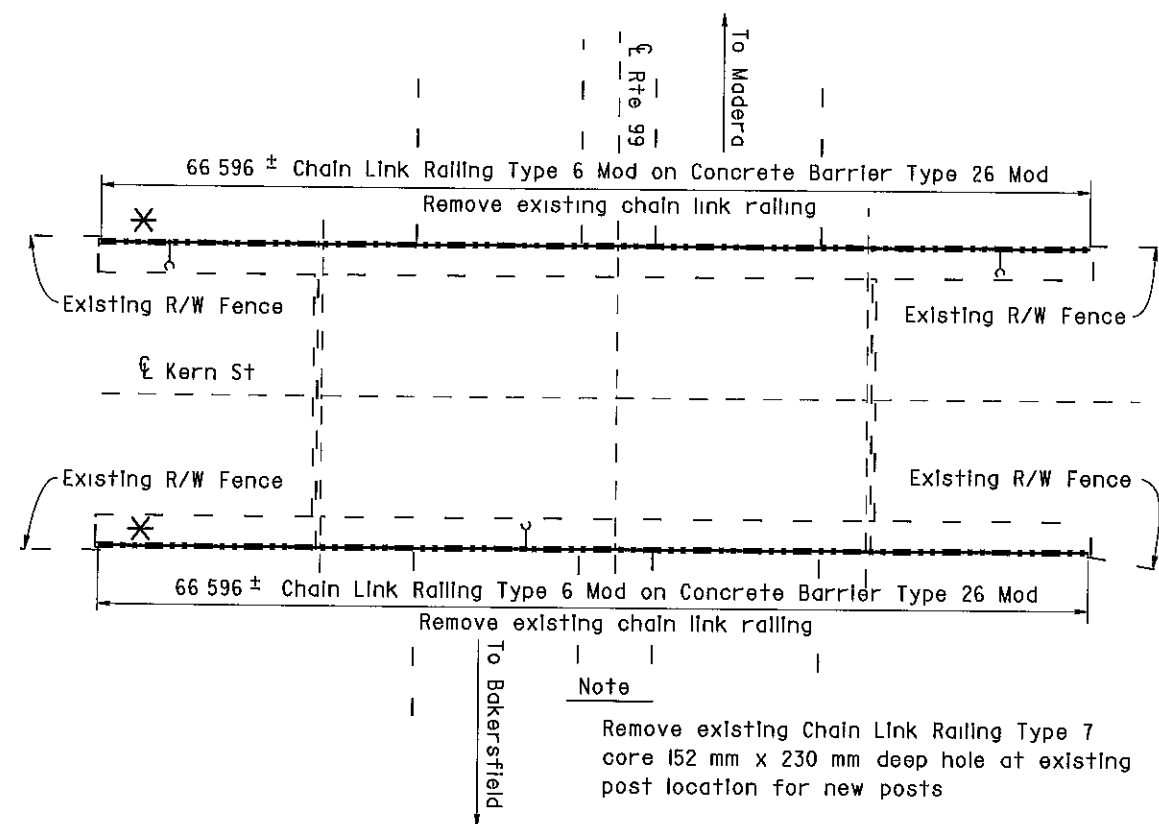
XS981 DGN



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	126	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

REGISTERED PROFESSIONAL ENGINEER
DIOSDADO ACOPA
No. 52003
Exp. 12-31-02
CIVIL
STATE OF CALIFORNIA



KERN STREET OC
Br No 42-0159, Fre, KP 33 0
I 250

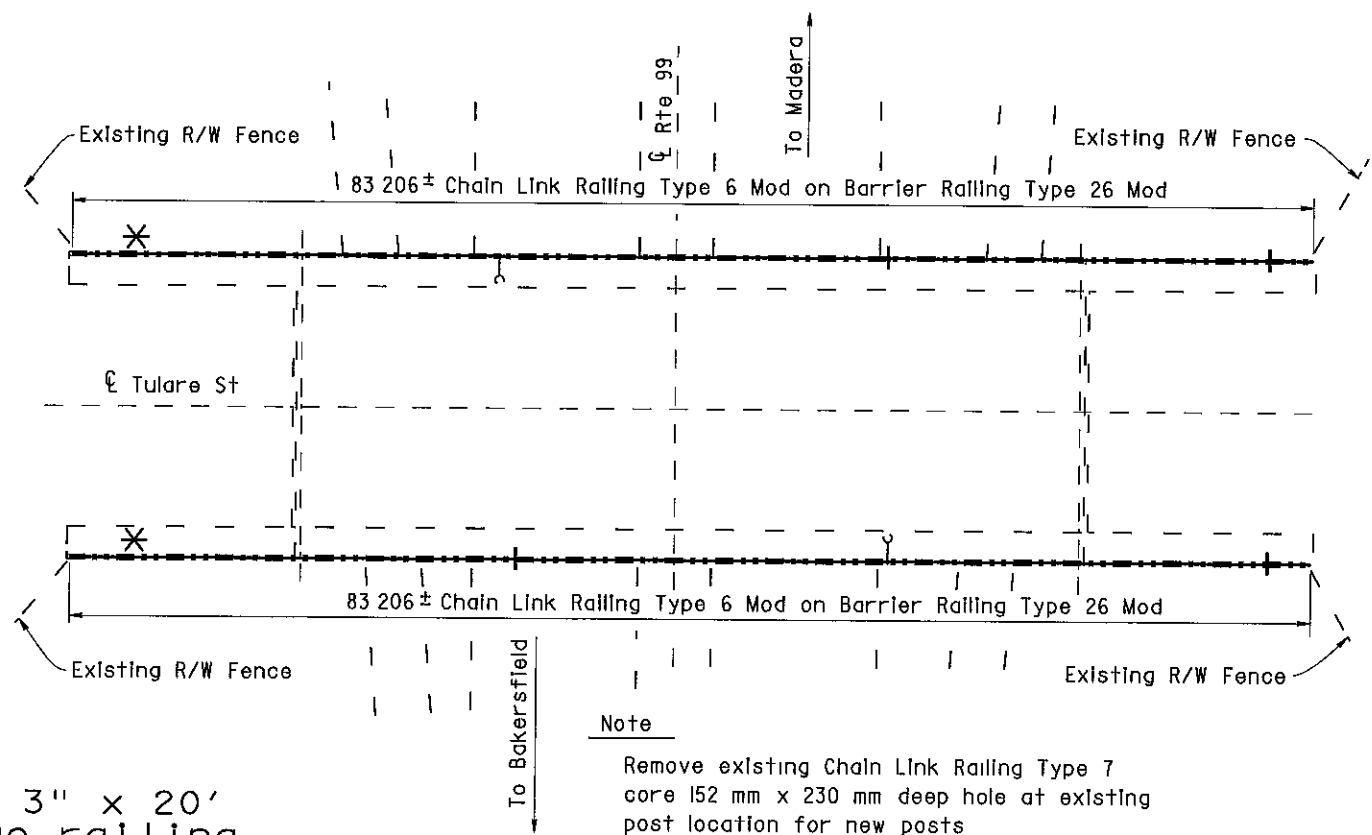
KERN STREET OC 42-0159
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION H
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 133 m

TULARE STREET OC 42-0169
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION I
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 166 m

NOTE
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

NOTES
— — Indicates existing
(Indicates approximate location of existing electroliner (To remain)
↓ Indicates approximate location of remove and reinstall sign on new post

Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details



TULARE STREET OC
Br No 42-0169, Fre, KP 33 2
I 250

* Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
* See sheet 130/133 for details.

AS BUILT
MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

DESIGN ENGINEER Michael J Lee 10/3/00	DESIGN	BY D Acoba 4/00	CHECKED F Tannous 5/00	LAYOUT	BY K Endow 4/00	CHECKED D Acoba 4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	ROUTE 99 BRIDGES GENERAL PLAN NO. 4
	DETAILS	BY K Endow 4/00	CHECKED F Tannous 5/00		Various					
	QUANTITIES	BY D Acoba 5/00	CHECKED F Tannous 5/00		Varies					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

CU 06015
EA 440101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

3/15/00	7/17/00	9/26/00	10/3/00						
---------	---------	---------	---------	--	--	--	--	--	--

SHEET 4 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	127	133

10/3/00
REGISTERED CIVIL ENGINEER
DIOSDADO ACOBA
No 52003
Exp 12-31-02
CIVIL
STATE OF CALIFORNIA

11-13-00
PLANS APPROVAL DATE

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NOTE
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

NOTES

- — Indicates existing
- (Indicates approximate location of existing electrolizer (To remain)
- ↓
- Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

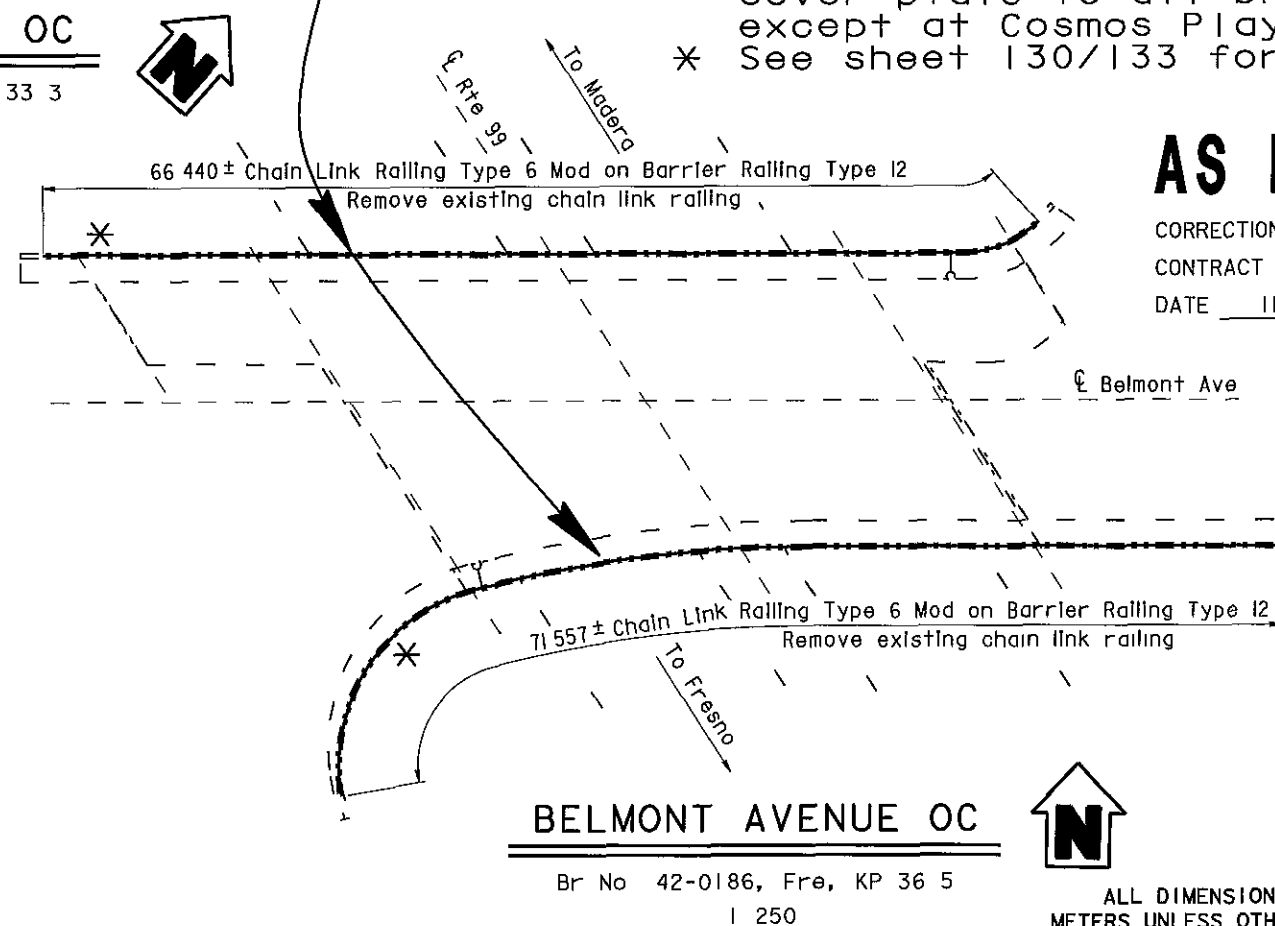
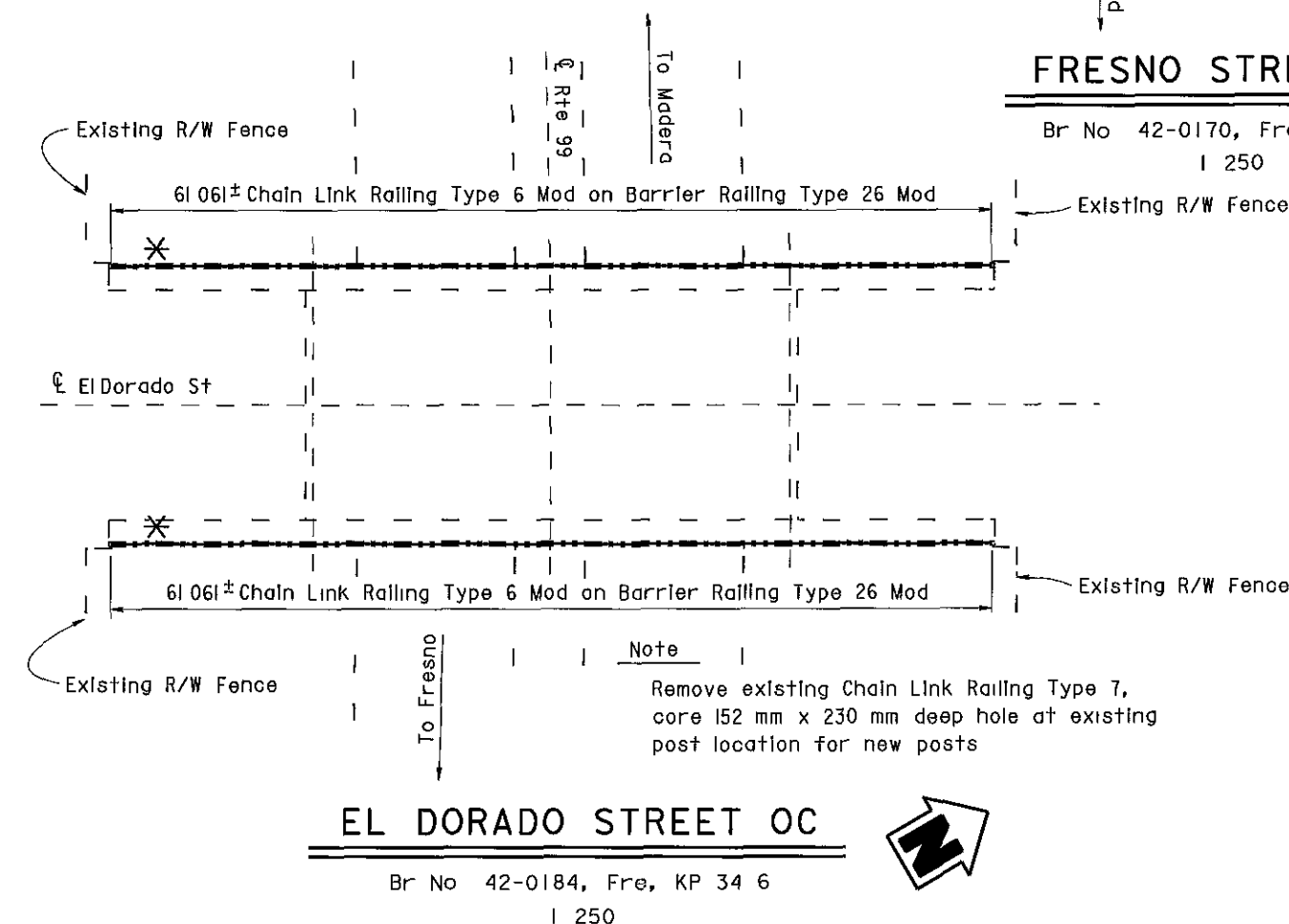
- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

AS BUILT
MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

FRESNO STREET OC 42-0170
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION J
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 120 m

EL DORADO STREET OC 42-0184
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION K
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 122 m

BELMONT AVENUE OC 42-0186
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION L
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 138 m



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

 DESIGN ENGINEER 10/3/00	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	Various	ROUTE 99 BRIDGES GENERAL PLAN NO. 5
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	CHECKED J Maroney	9/00			KILOMETER POST	Varies	
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00										
	ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS												CU 06015 EA 440101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	

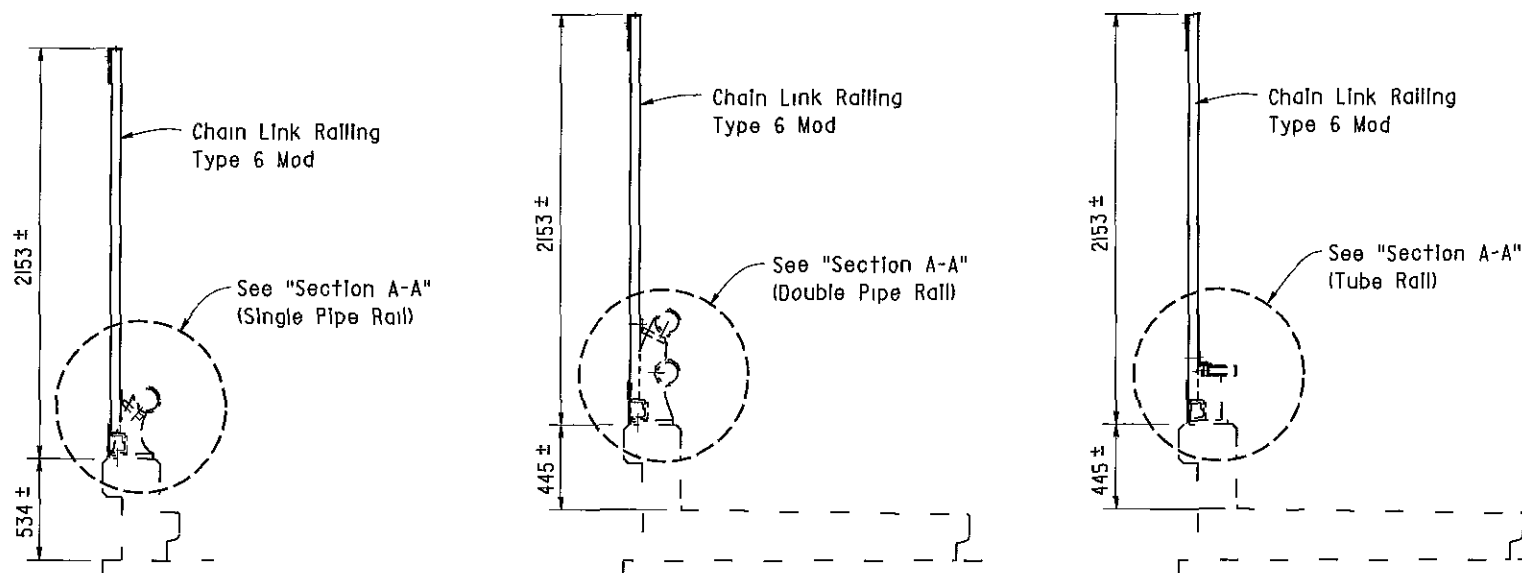
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

FILE => nagg5.dgn

**NO CORRECTIONS
AS BUILT**

MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

NOTE
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL



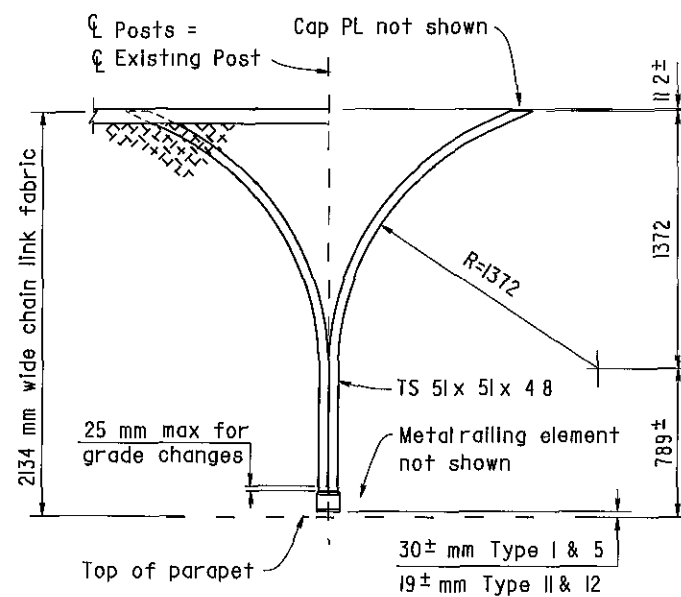
TYPE 1

TYPE 5

TYPE 12

BARRIER RAILING SECTIONS

Existing chain link railing not shown
1 20

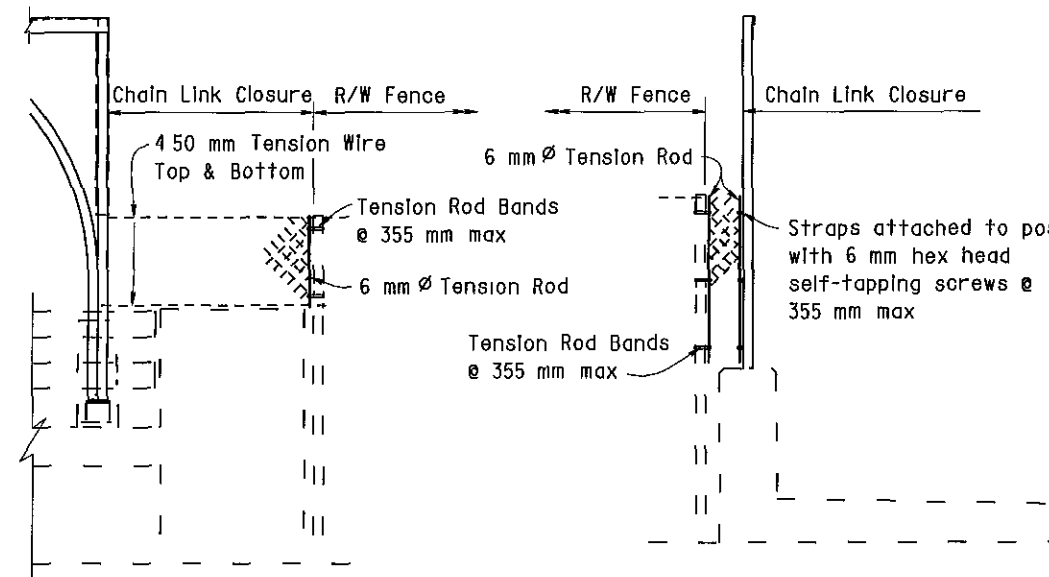


PART OUTSIDE ELEVATION

Note For details and notes not shown, see "Chain Link Railing Type 6 Mod No 1" sheet
1 10

TYPE A NORTH AVE OC - 2 Locations
CHURCH AVE OC - 4 Locations
CALIFORNIA AVE OC - 4 Locations
VENTURA ST OC - 4 Locations

TYPE B KERN ST OC - 4 Locations
TULARE ST OC - 4 Locations
EL DORADO ST OC - 4 Locations



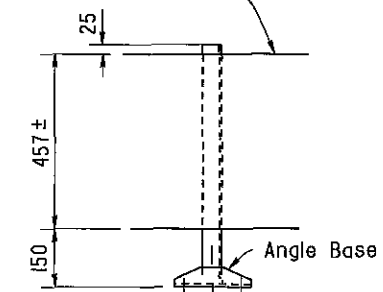
TYPE A

TYPE B

R/W FENCE CONNECTION

1 10

Remove existing sign panels
and reinstall on new post

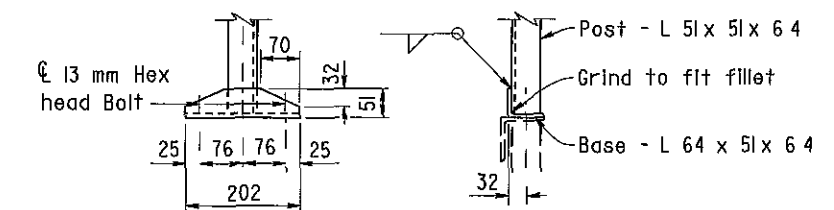


TULARE ST OC

4 Locations

Note

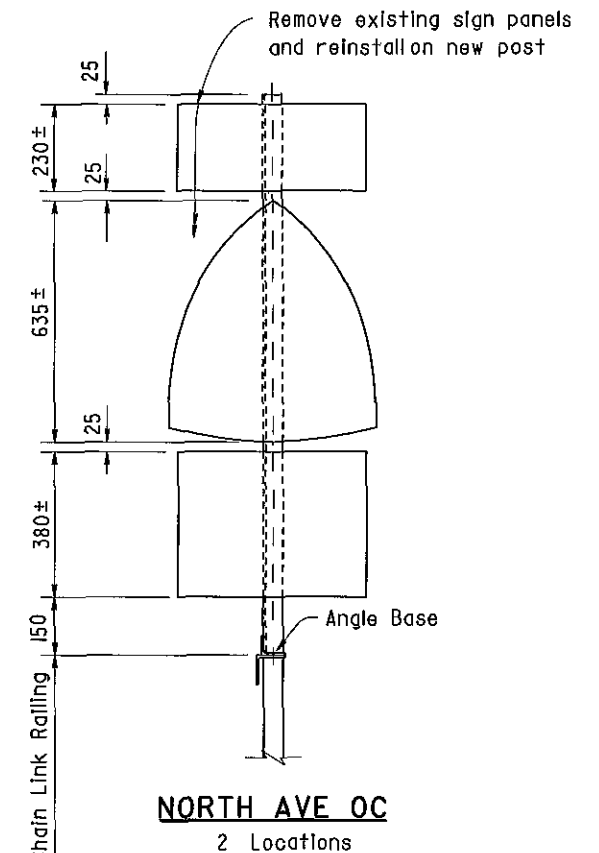
Reinstall signs at approximately the
same location on chain link railing
as existing



ANGLE BASE

Note

Hot dip galvanize sign post after fabrication
Field drilled holes to be painted with zinc rich paint



NORTH AVE OC

2 Locations

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN	BY D Acoba	5/00	CHECKED F Tannous	5/00
DETAILS	BY K Endow	5/00	CHECKED F Tannous	5/00
QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00

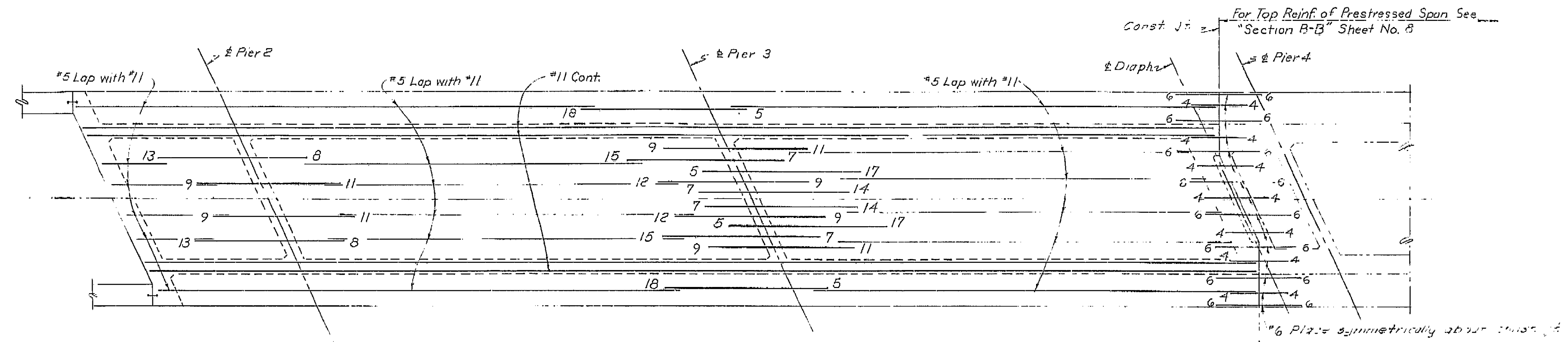
STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ENGINEERING
SERVICE CENTER
STRUCTURE MAINTENANCE

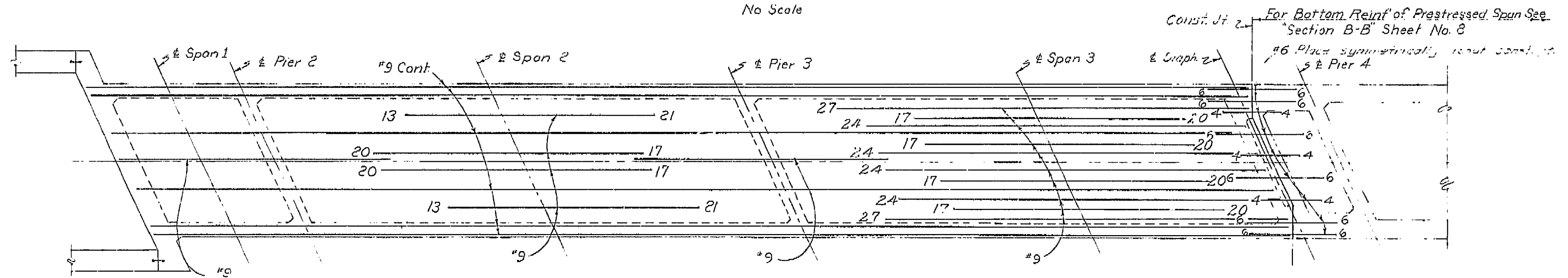
BRIDGE NO
Various
KILOMETER POST
Varies

ROUTE 99 BRIDGES
CHAIN LINK RAILING TYPE 6 MOD NO. 2

DATE APPROVED: August 28, 1961

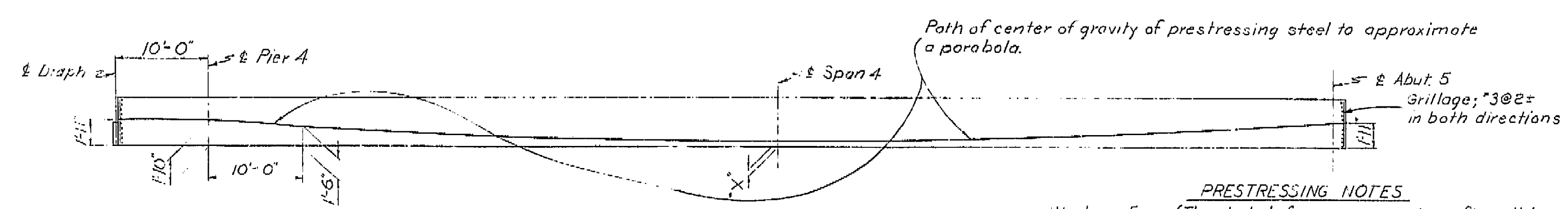


TOP REINFORCEMENT
No Scale



BOTTOM REINFORCEMENT
No Scale

All reinforcing #11 unless noted otherwise. Numbers at ends of bars indicate distance in feet from center of pier for Top Reinforcement or center of span for Bottom Reinforcement. No splicing of #11 bars permitted near pier in Top Reinforcing, and no splicing of #9 permitted near span in Bottom Reinforcing.



GIRDER ELEVATION OF PRESTRESSED SPAN
No Scale

For details and reinforcement of prestressed span See Typical Section & Girder layout sheet.

PRESTRESSING NOTES

Working Force (The total force remaining after all losses, including those due to creep and shrinkage of concrete and creep of steel have occurred) is as follows:
for x=5' $P_f = 1,510,000$ lbs
for x=6' $P_f = 1,370,000$ lbs
for x=7' $P_f = 1,240,000$ lbs

The loss in the post-tensioned prestressing steel due to shrinkage and creep and sequence stressing shall be assumed to be 24,000 P.S.I. In addition to the loss noted above, provision shall be made for losses due to friction, anchorage take-up, and any other losses peculiar to the system of prestressing used.
Concrete: $f_c = 4500$ P.S.I. @ 28 days $f'_{ci} = 3500$ P.S.I. @ time of stressing
Prestressing Steel: See Special Provisions

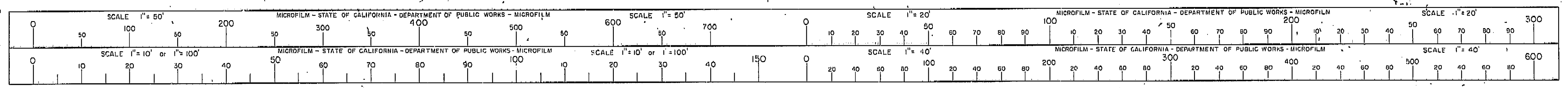
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT	
DESIGN SECTION 2	
Section Supervisor	W. E. R. R.
DESIGN	W. E. R. R.
DETAILS	M. Camacho
QUANTITIES	B. B. Skimin

STATE OF CALIFORNIA	
DEPARTMENT OF PUBLIC WORKS	
DIVISION OF HIGHWAYS	
COSMOS PLAYGROUND PEDESTRIAN O.C.	
GIRDER REINFORCEMENT	
SCALE	As Noted
BRIDGE	42-215
FILE	
DRAWING	C. 42215-9

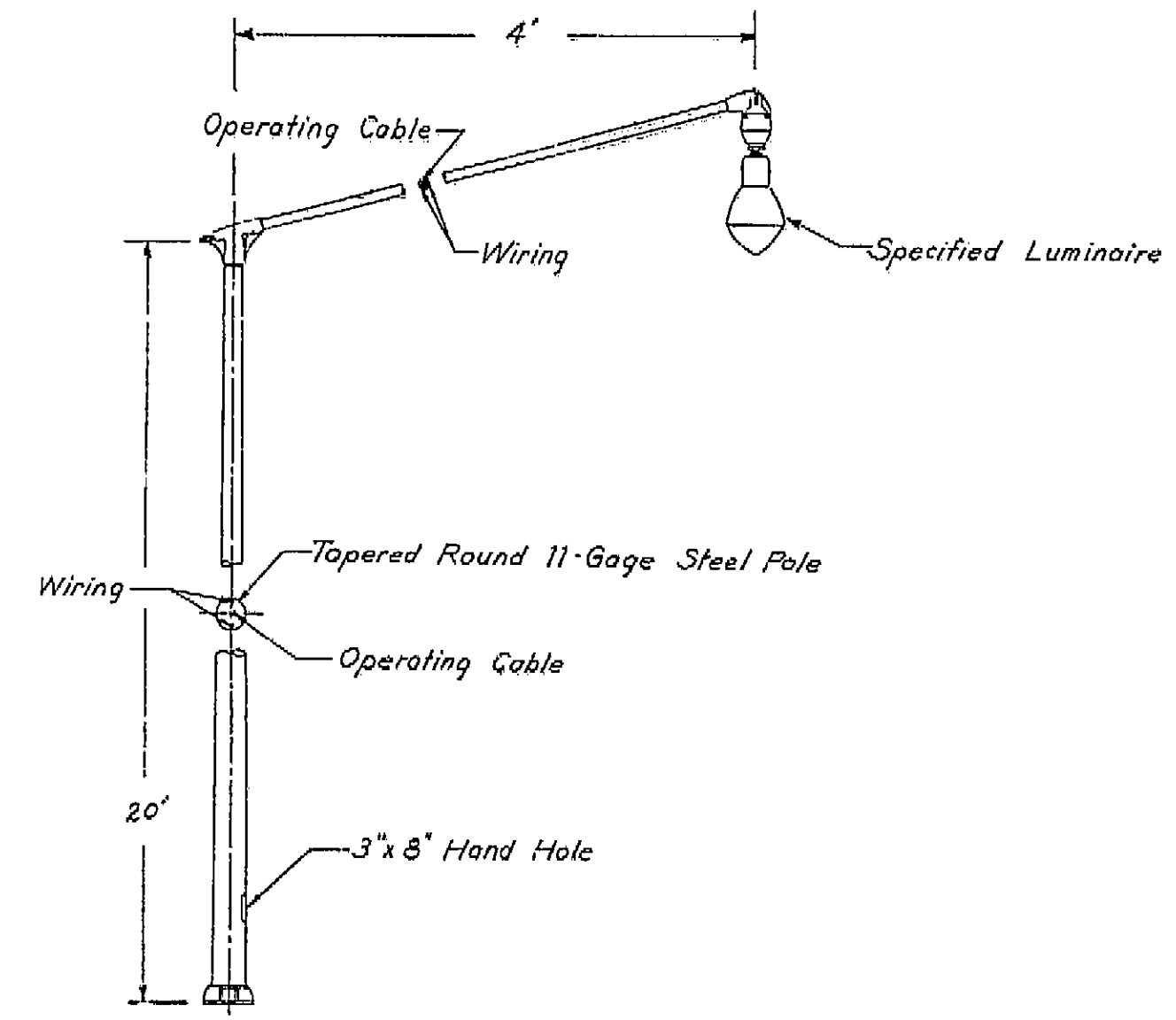
PREL. DRAWING No. P-42215-7

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-72 SIGNATURE TITLE

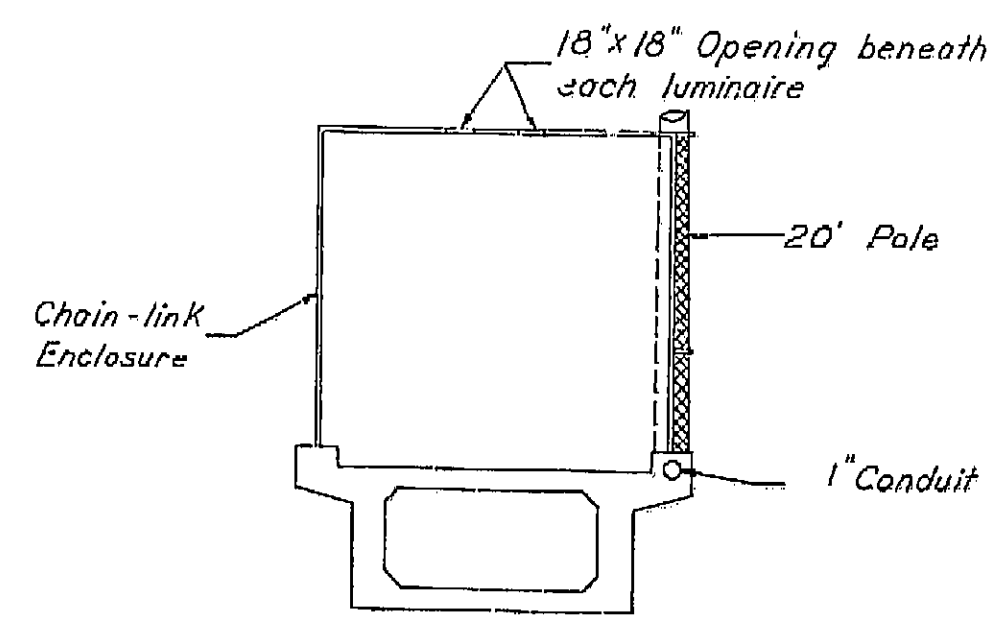


VI FRE 41 4-006-208/ 4-006-205

DPW No.	STATE	FEDERAL PROJECT NO.	SCALE	SHEET	TOTAL
7	CALIF.		FEET	NO.	SHEETS
			20'	13	15
DIST.	LOCALITY	ROUTE	SECTION	SHEET	TOTAL
VI	FRE	41	B:PRE	13	15
APPROVED: <i>[Signature]</i> August 29, 1961					
DISTRICT ENGINEER					



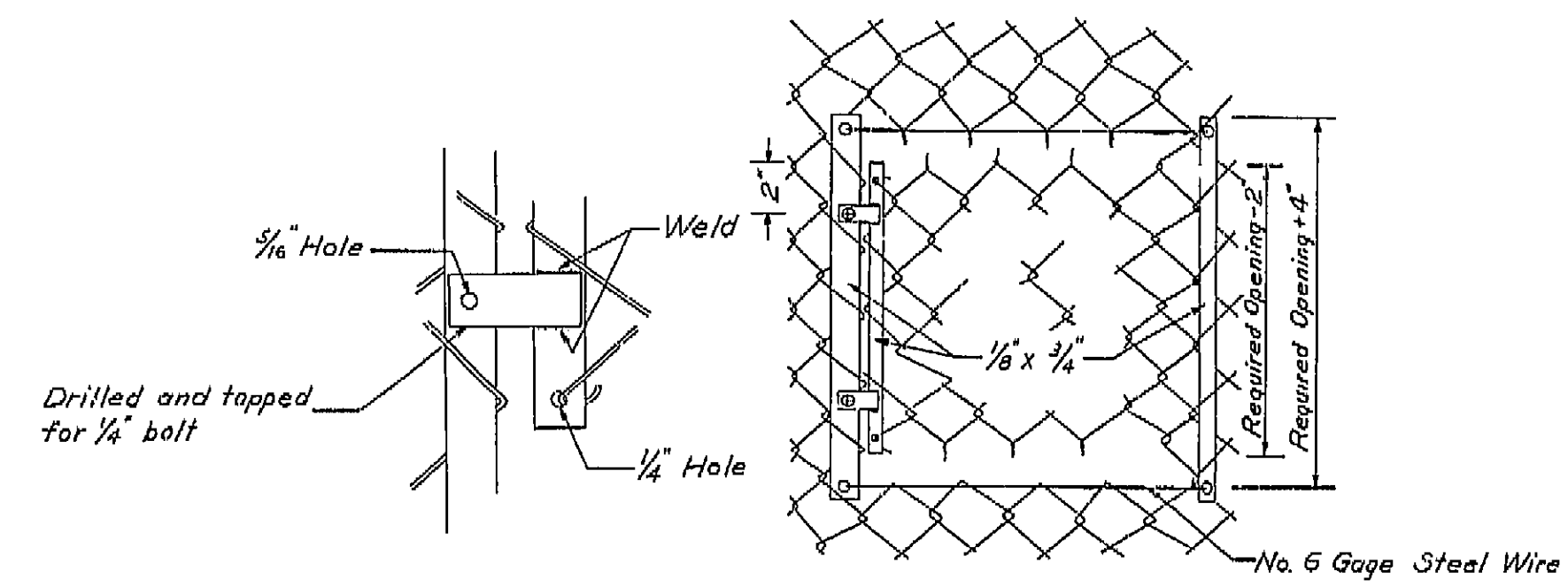
LIGHTING STANDARD DETAILS
No Scale



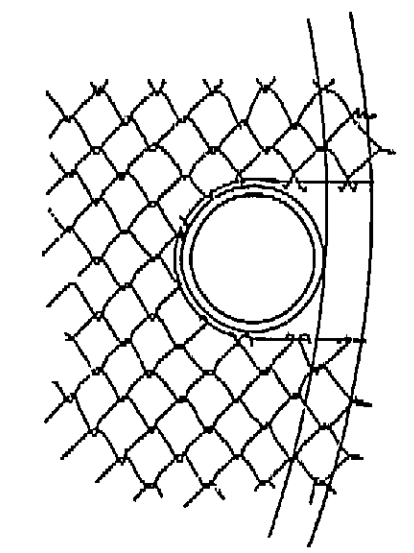
TYPICAL SECTION

Note: Provide 18" x 18" openings in top of chain-link enclosure to permit lowering of luminaire.

Contractor to furnish and install lighting standards as shown complete with mast arm, operating pulleys and cable, luminaire mounting assembly with plumbizer, contractor shall furnish to the Engineer one detachable hand line necessary to drop luminaires for maintenance.



CHAIN-LINK ENCLOSURE OPENING



TOP OF ENCLOSURE POLE OPENING

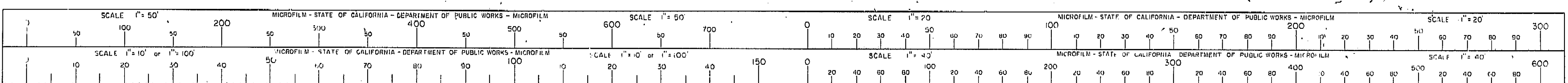
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

PEDESTRIAN O.C. SPECIAL
LIGHTING DETAILS

DESIGN DEPT.	INITIAL	DATE
Designed		
Traced		
Checked		
Supervised by		

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
C. E. Schellhardt	4/61	E. E. Taylor	3/61	[Signature]	4/61

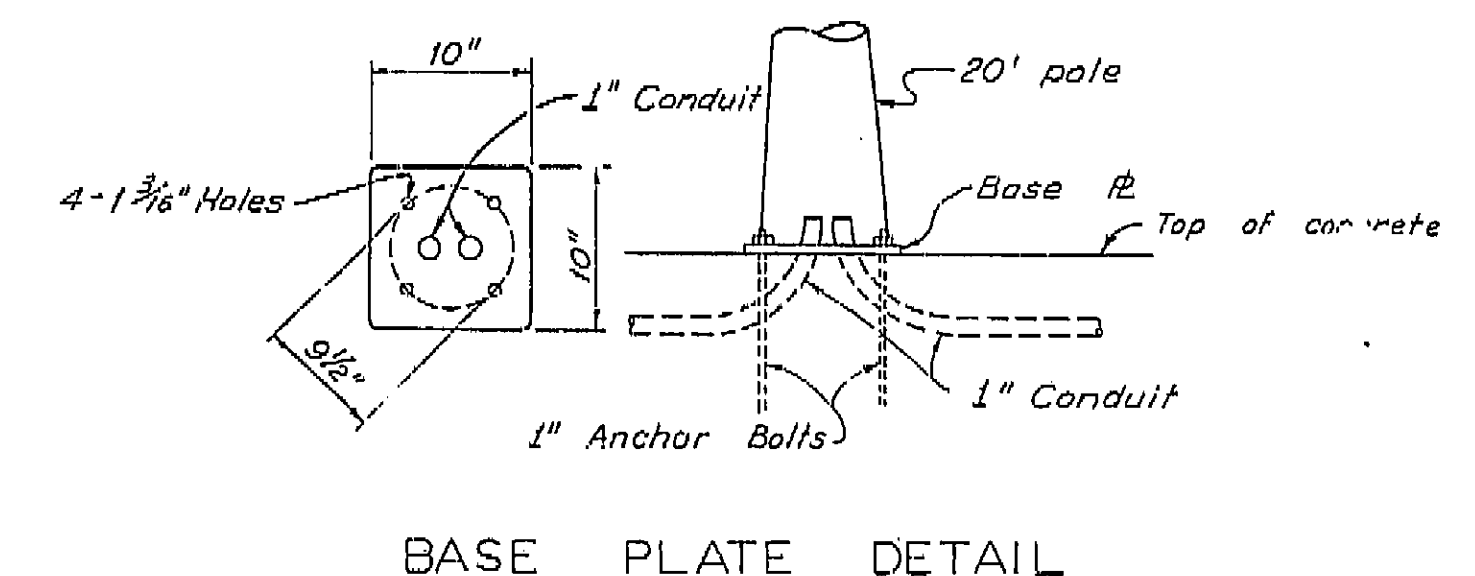
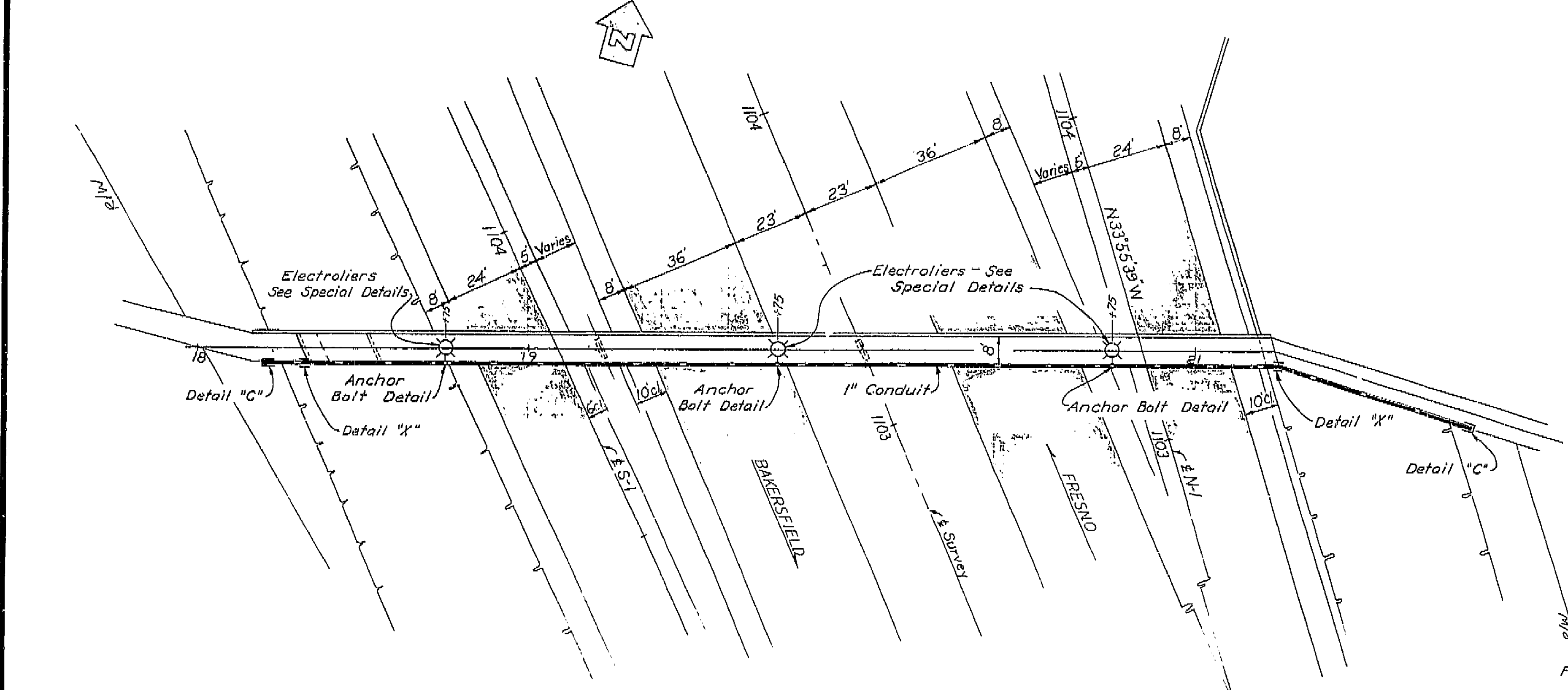
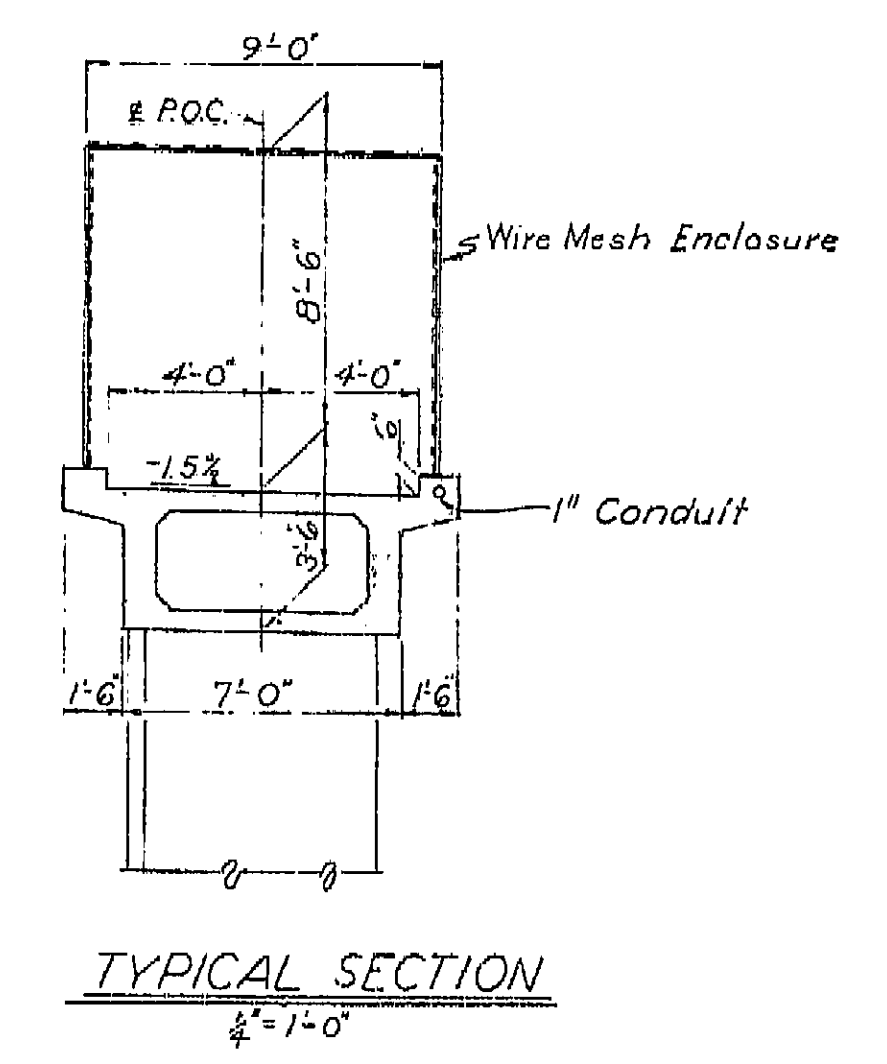
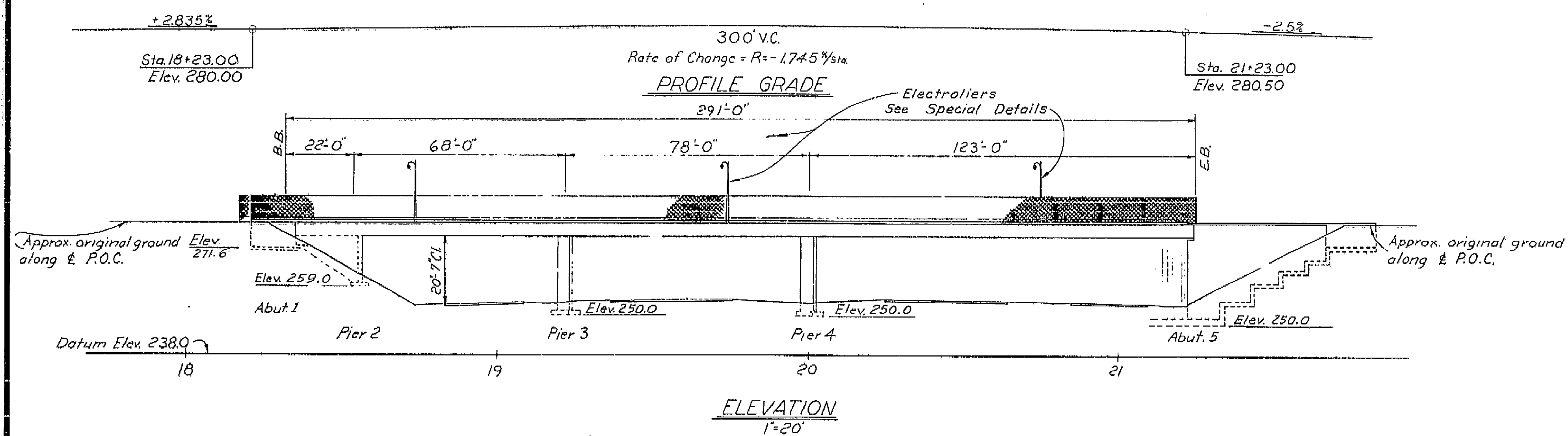
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE _____ SIGNATURE _____ TITLE _____



VI Fre 99 U-006-2(5)
F-006-2(5)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.			307	424

DISTRICT ENGINEER
August 28, 1961
DATE APPROVED



Note: This plan accurate for highway lighting only.

For additional notes see "Pedestrian O.C. Special Lighting Details" and Sheet ES-7-4.

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

PLAN
1" = 20'

BRIDGE DEPARTMENT DESIGN SECTION			
Project Designer: <i>Paul P. [Signature]</i>		Chief Designer: <i>[Signature]</i>	
DESIGN	By: <i>M. L. [Signature]</i>	Checked	By: <i>[Signature]</i>
DETAILS	By: <i>M. Camacho</i>	Checked	By: <i>[Signature]</i>
QUANTITIES	By: <i>[Signature]</i>	Checked	By: <i>[Signature]</i>
ELECTRICAL	By: <i>[Signature]</i>	Checked	By: <i>[Signature]</i>
Approval Recommended by: <i>[Signature]</i>		Chief and Structural: <i>[Signature]</i>	

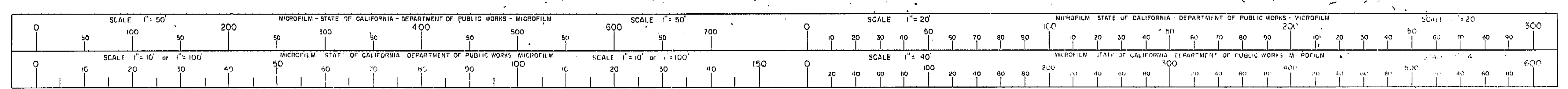
STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
COSMOS PLAYGROUND PEDESTRIAN O.C. TO BE LOCATED IN THE CITY OF FRESNO			
LIGHTING PLAN			
SCALE As Noted	BRIDGE 42-815	FILE	DRAWING 42215-14

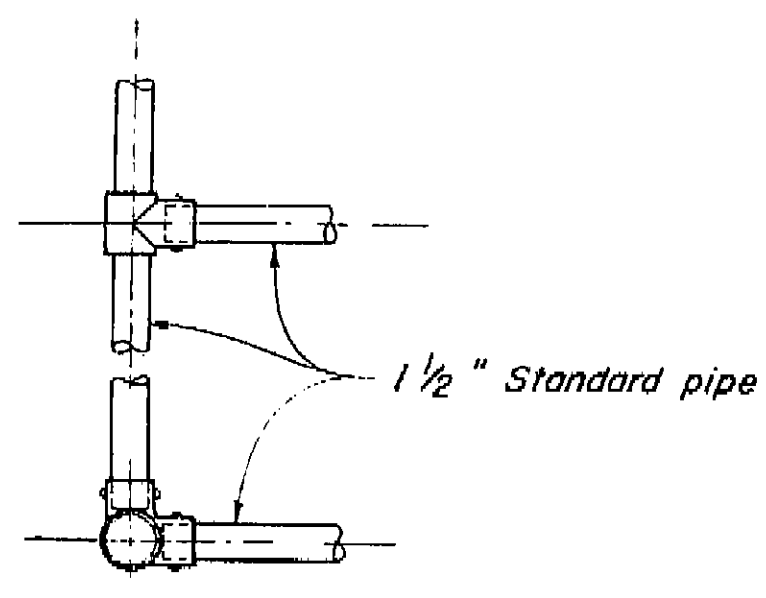
PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
<i>[Signature]</i>	4/16	<i>[Signature]</i>	5/1	<i>[Signature]</i>	5/1

Disregard prints bearing earlier dates

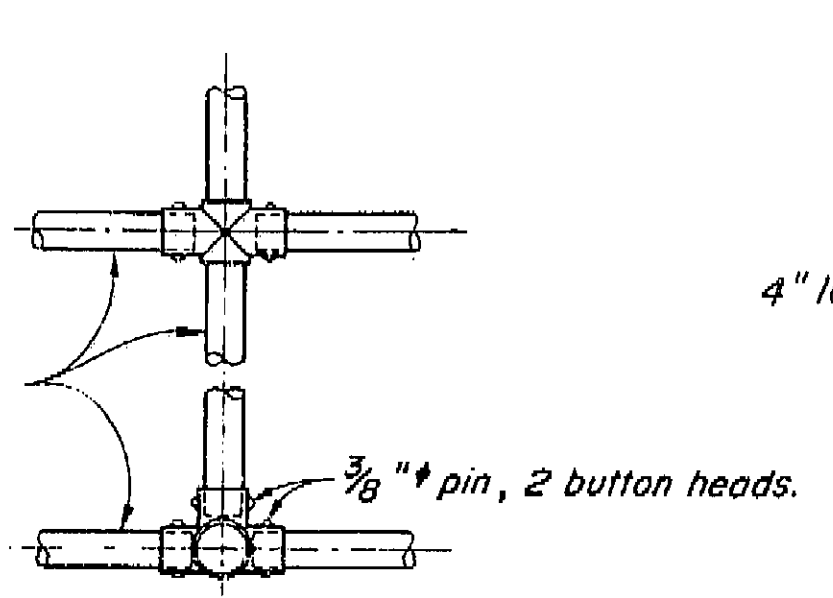
PREL. DRAWING No. P-42215-14

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: _____ SIGNATURE: _____ TITLE: _____

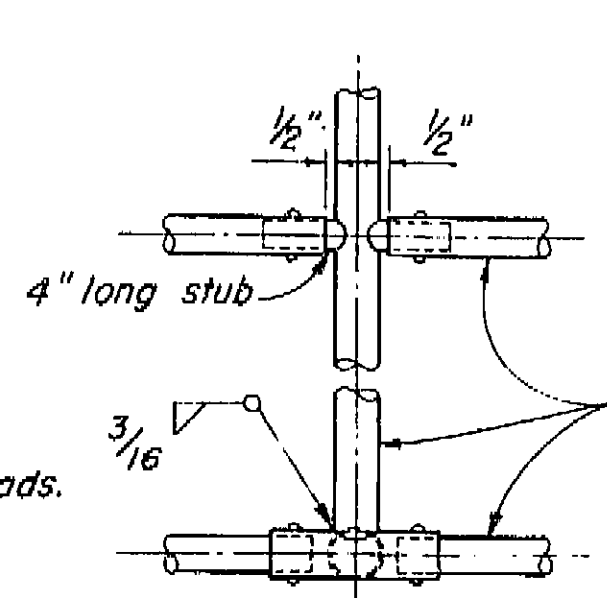




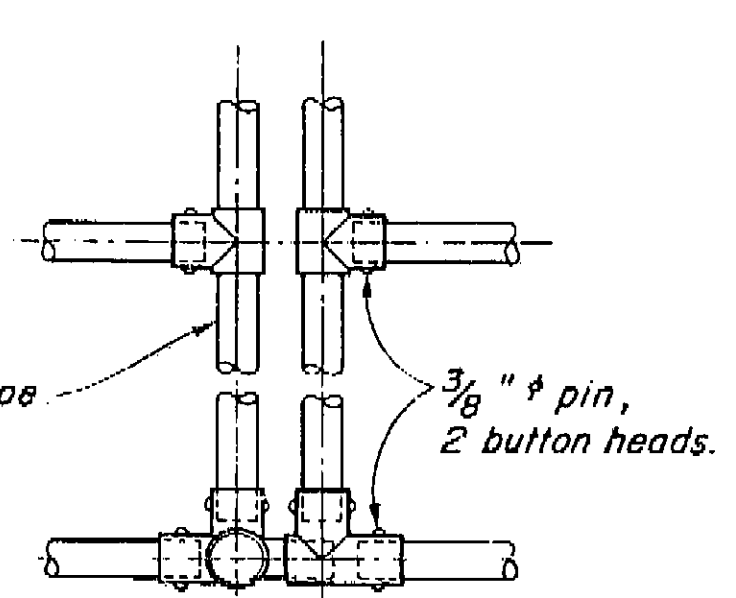
PLAN



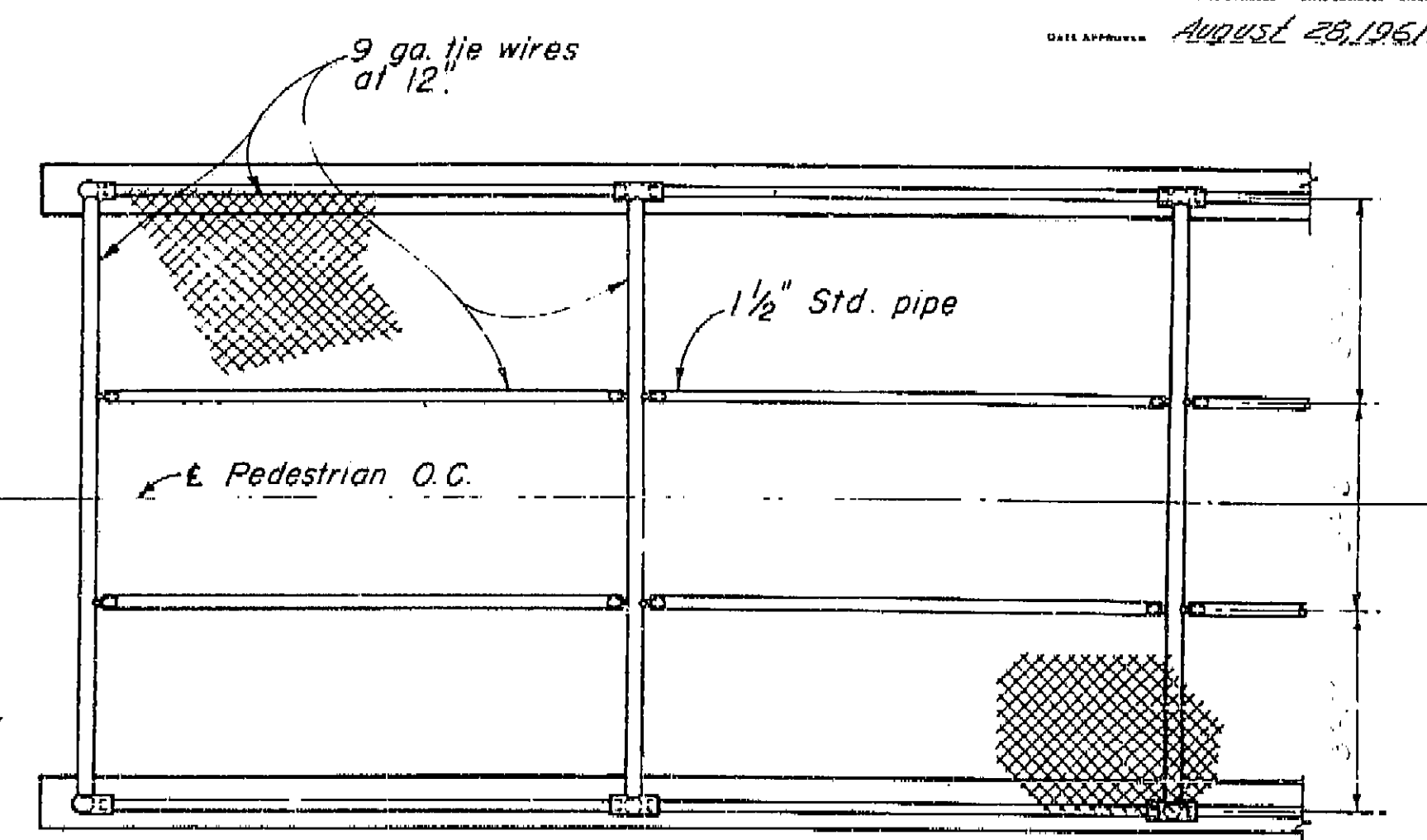
PLAN



PLAN

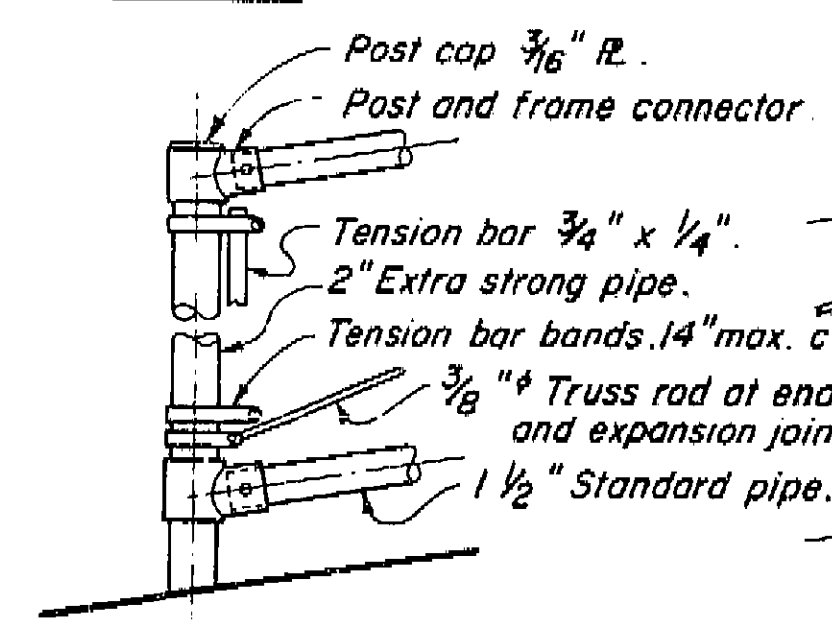


PLAN

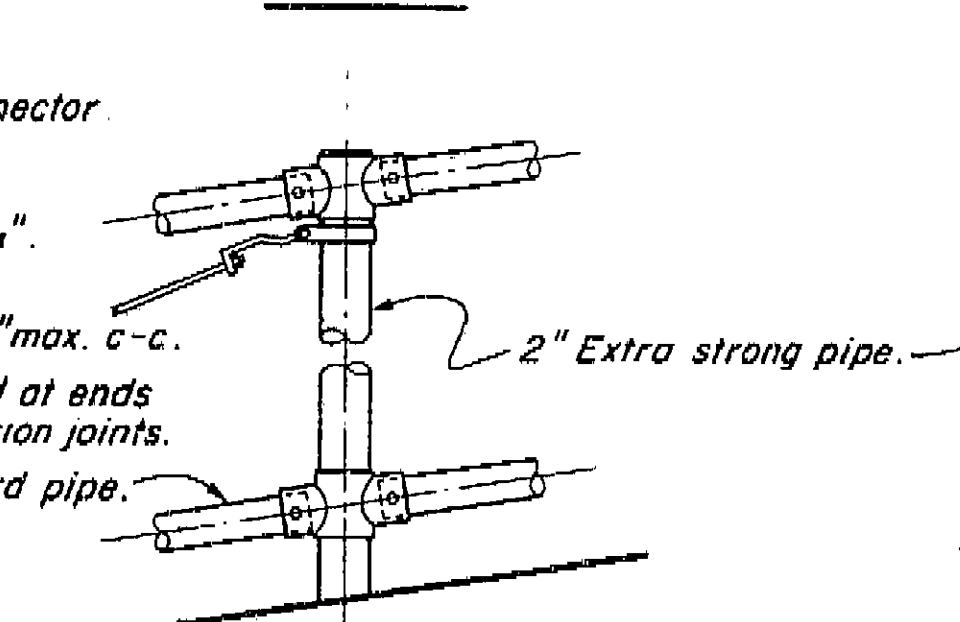


PLAN

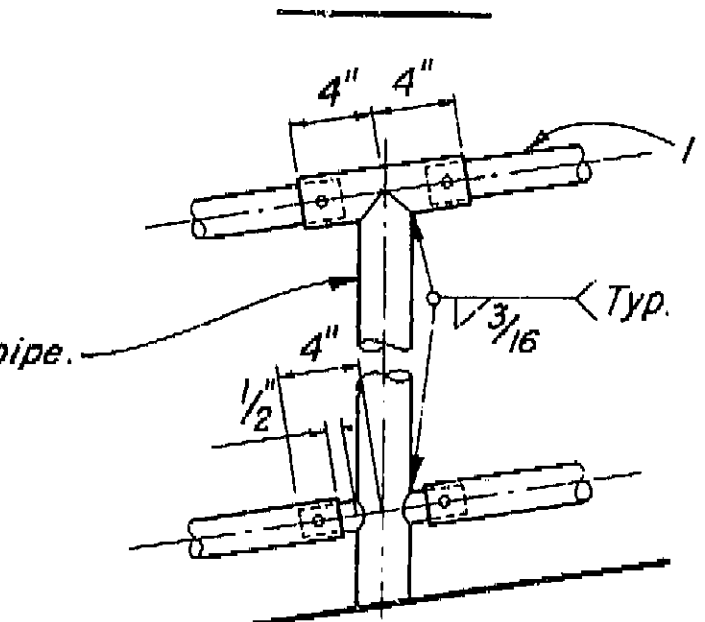
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END POST

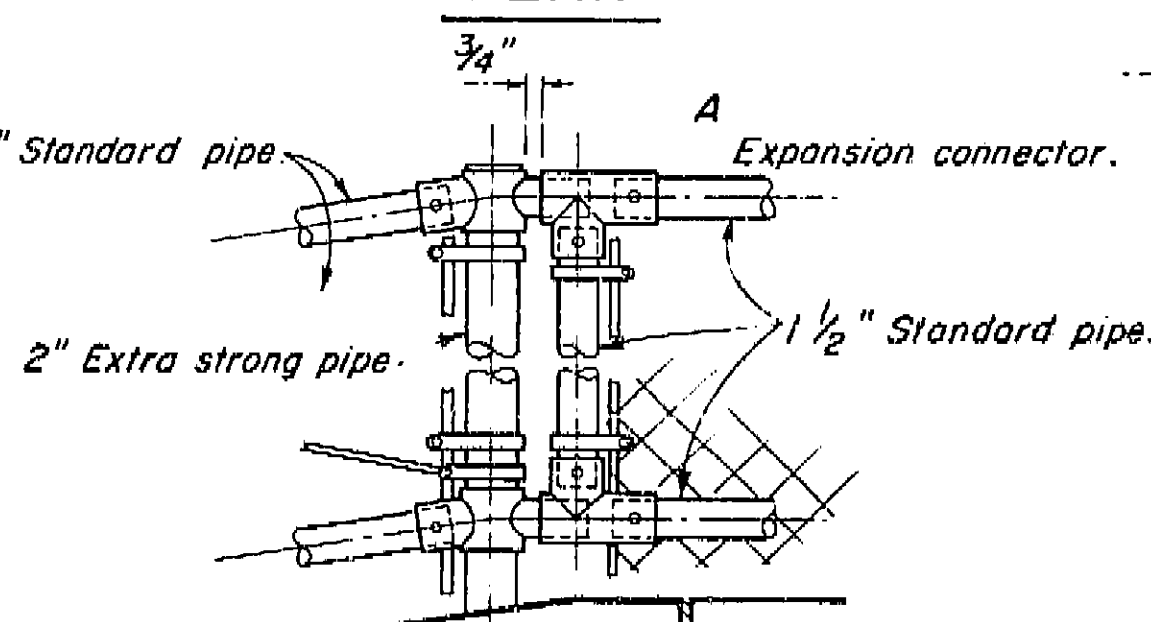


INTERMEDIATE POST

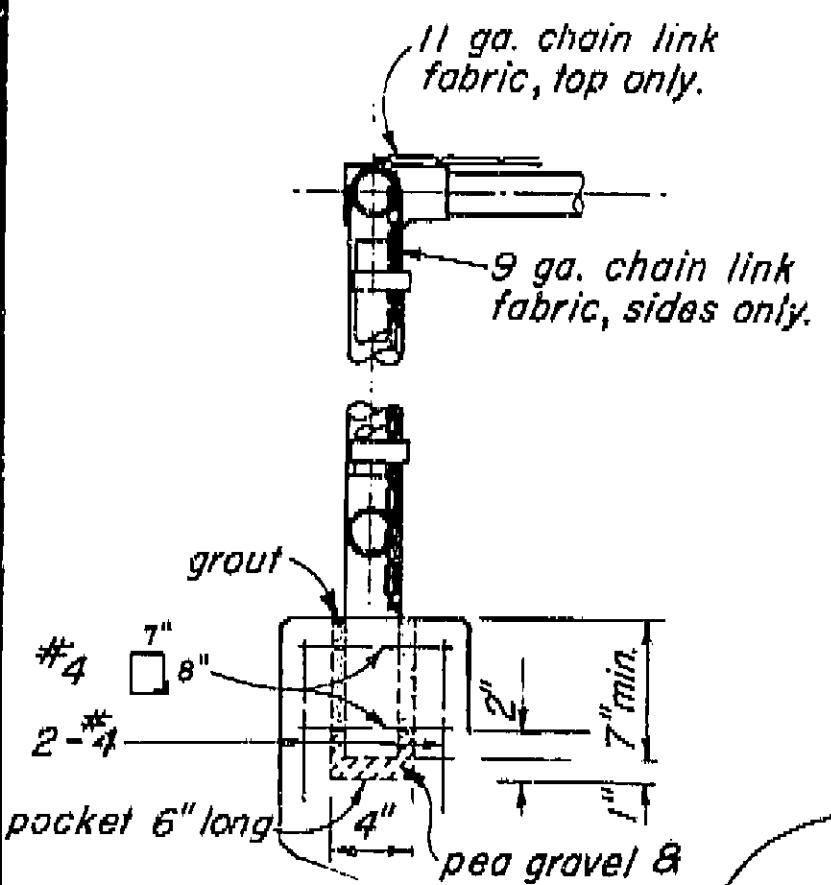


ALTERNATIVE DETAILS

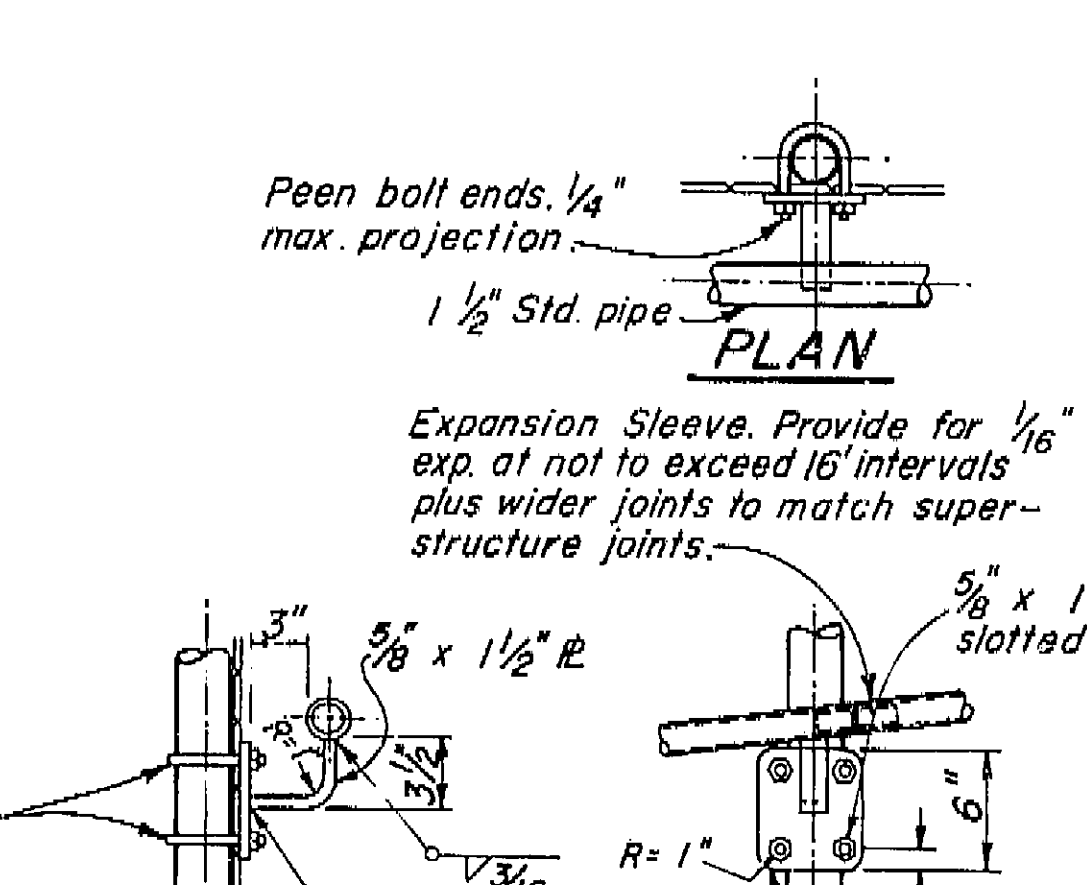
Details at end posts and expansion posts similar.



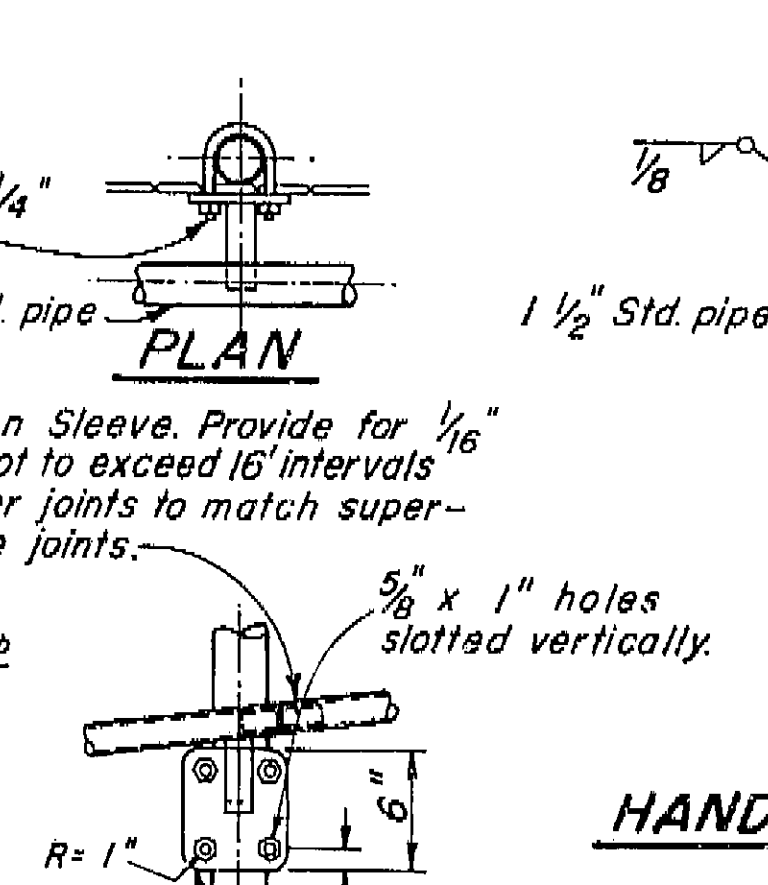
EXPANSION POST



SECTION A-A

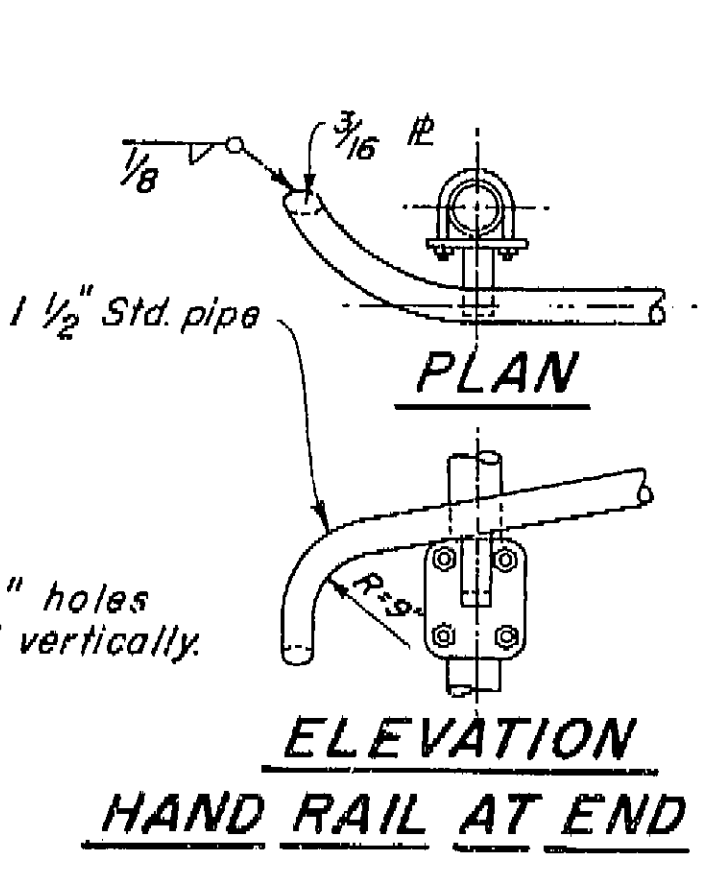


SIDE VIEW



ELEVATION

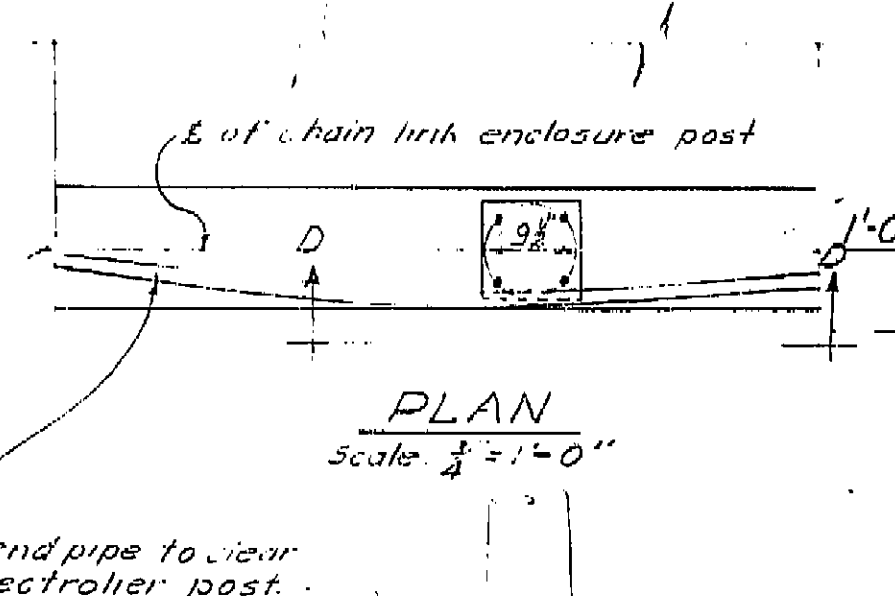
HAND RAIL BRACKET



ELEVATION
HAND RAIL AT END

Railing, posts and fittings to be galvanized after fabrication.
All exposed corners to be ground smooth.
Railing shall conform to horizontal and vertical alignment (posts shall be vertical).
Space post to clear expansion joints by 6" min. to 1" posts.

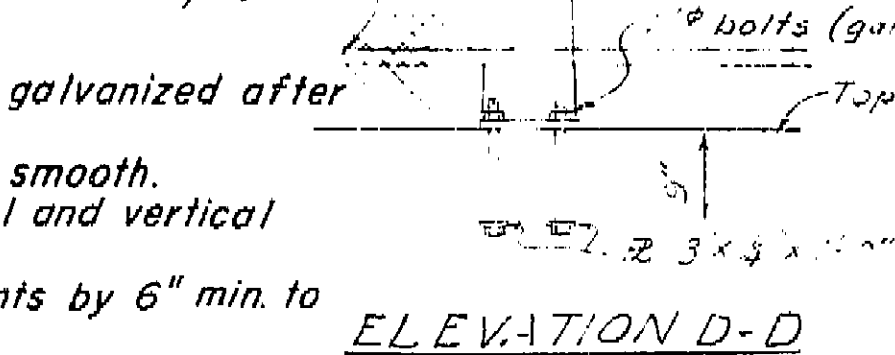
Handrail required only where slope is 10% or greater, or as indicated elsewhere in these plans.



PLAN

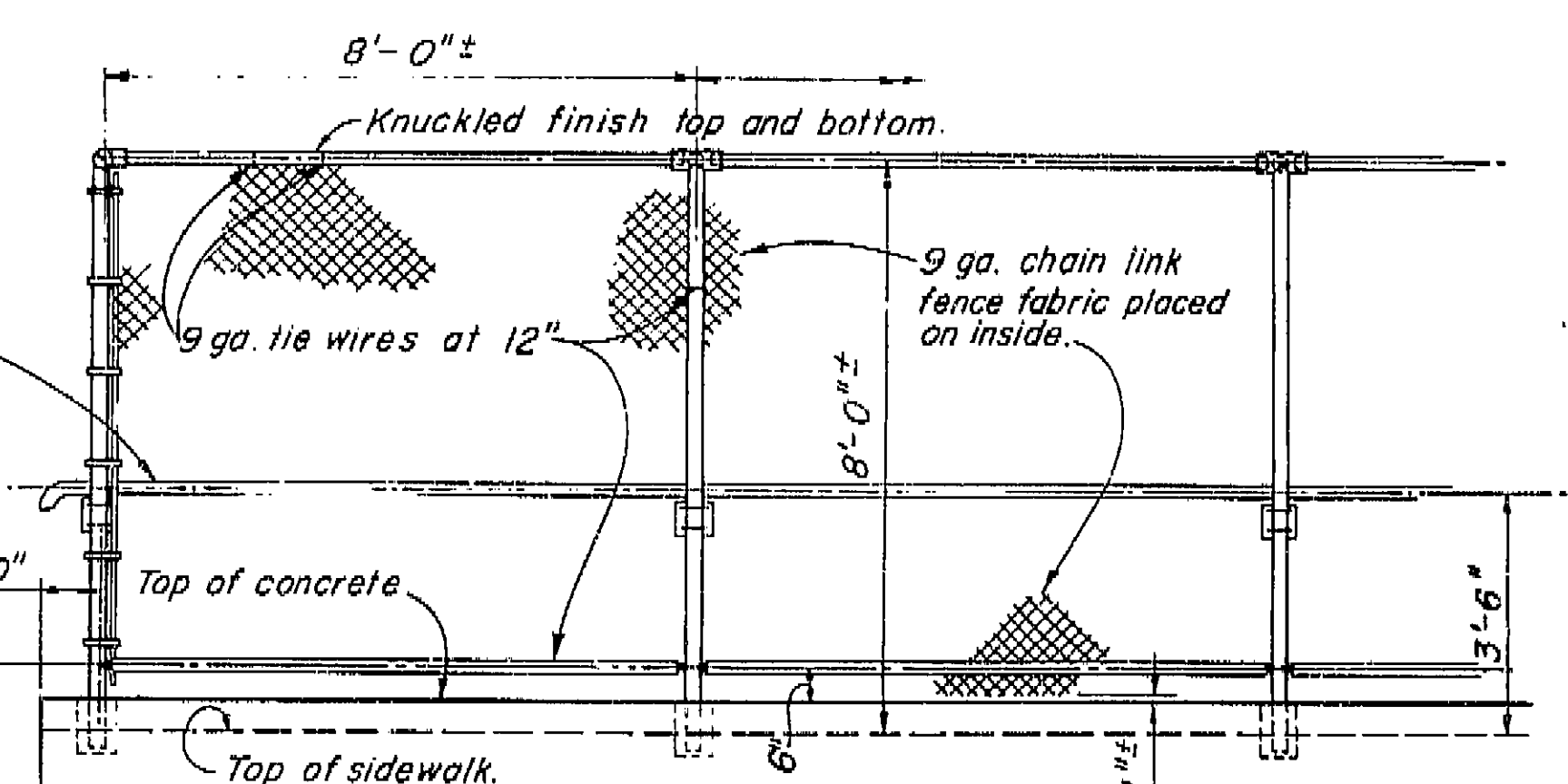
Scale: 3/4" = 1'-0"

Bend pipe to clear electroliner post.



ELEVATION D-D

Scale: 3/4" = 1'-0"



ELEVATION

Scale: 1/2" = 1'-0"

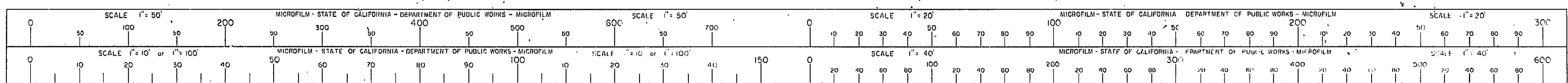
Note: For location of electroliners and details of chain link enclosure, see "Road Plans".

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT	DESIGN SECTION 2
Section Supervisor	W. J. Minter
DESIGN	1. H. S. 130-10
DETAILS	1. H. S. 130-10
QUANTITIES	1. H. S. 130-10

11/60	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS
CHAIN LINK ENCLOSURE	EXCEPT AS NOTED SCALE: 1/2" = 1'-0"
BRIDGE 42-15	FILE XS-9-69
DRAWING C-42215-12	PREL. DRAWING NO. P. 42215-10

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 11/12/62 SIGNATURE [Signature] TITLE [Title]



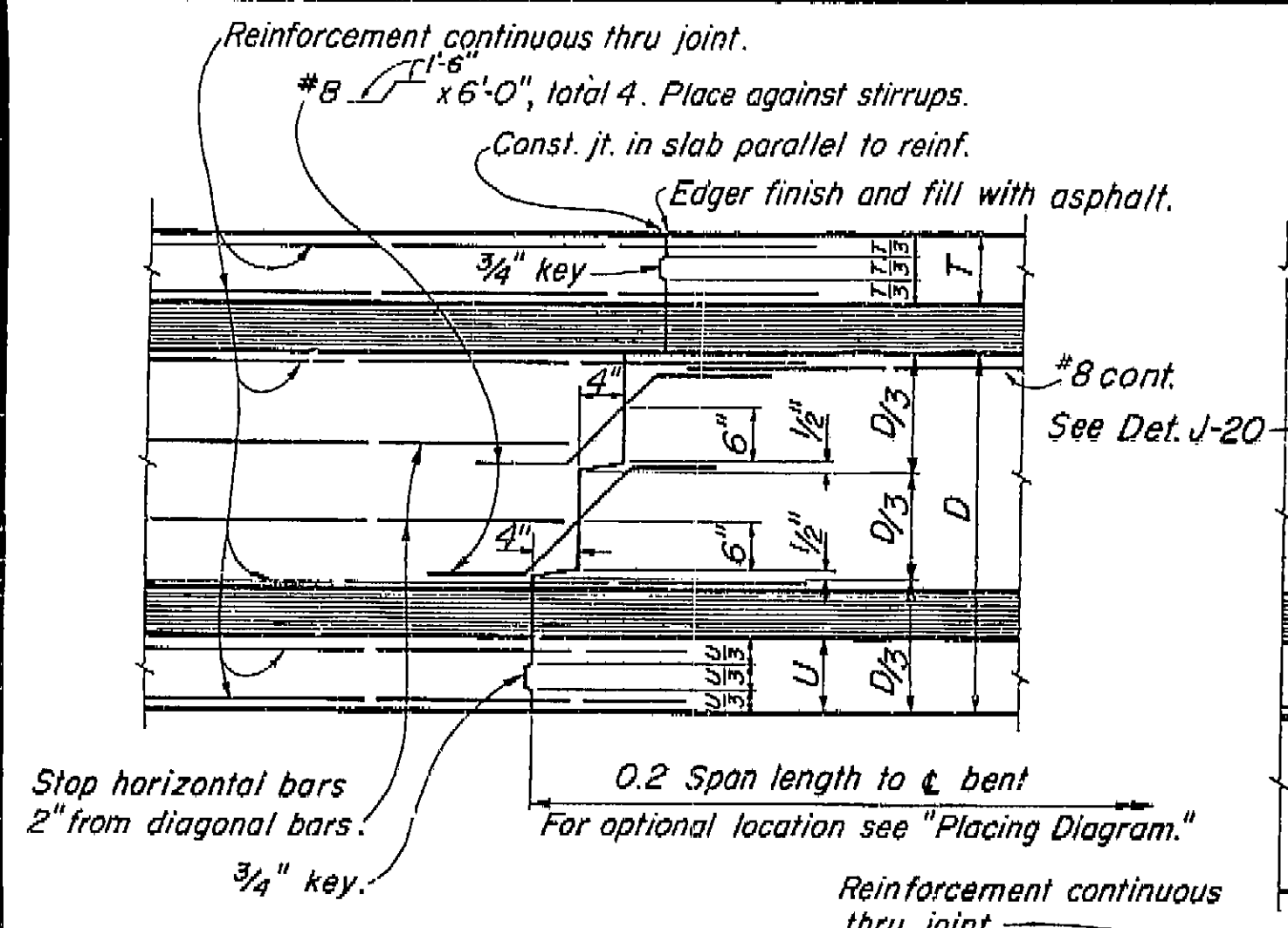
Revision: 9-22-60
Made #8 bar const.
in Detail J-1.
ZTK.

U-006-2(6)
F-006-2(5)

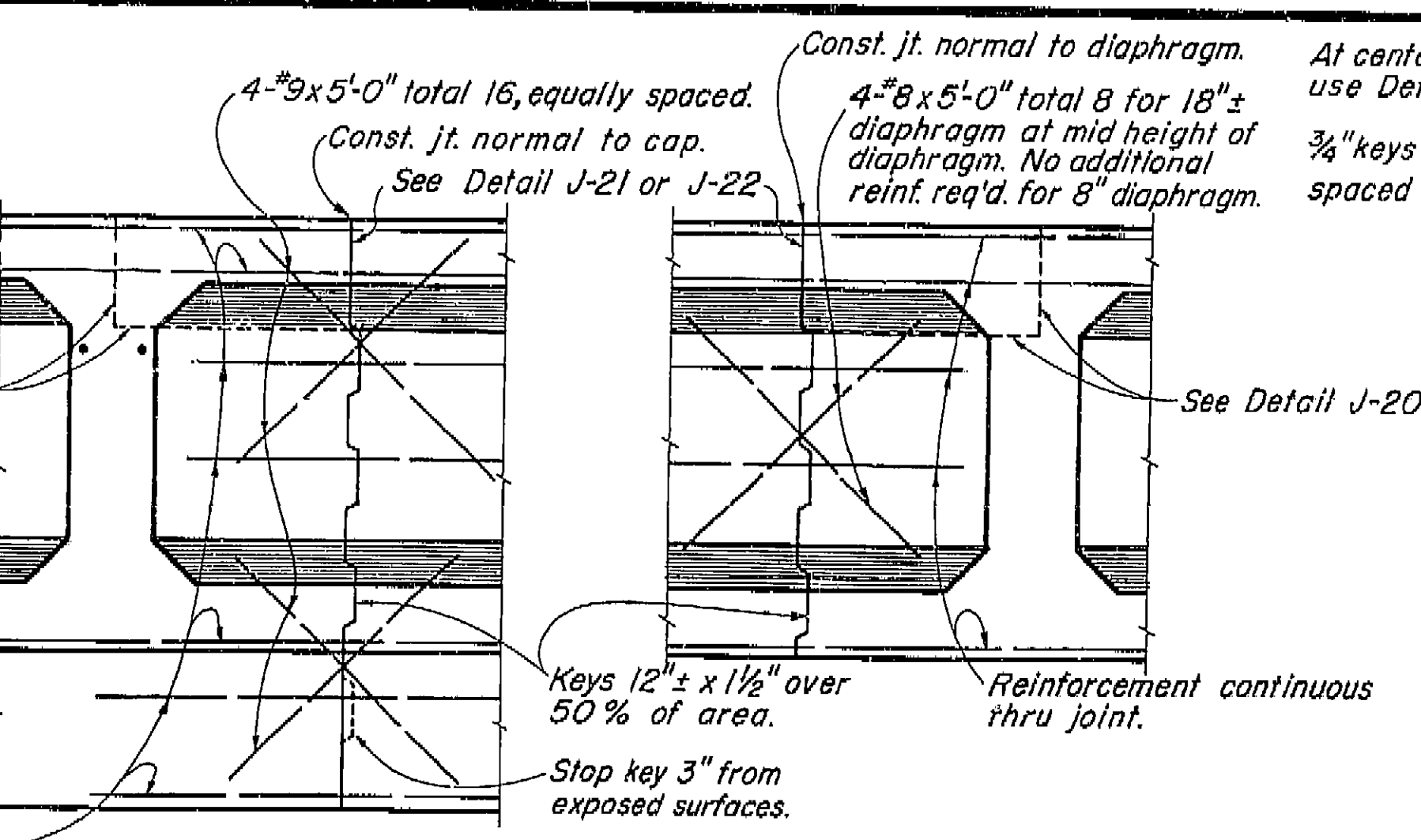
VI Fre 99

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		303	422

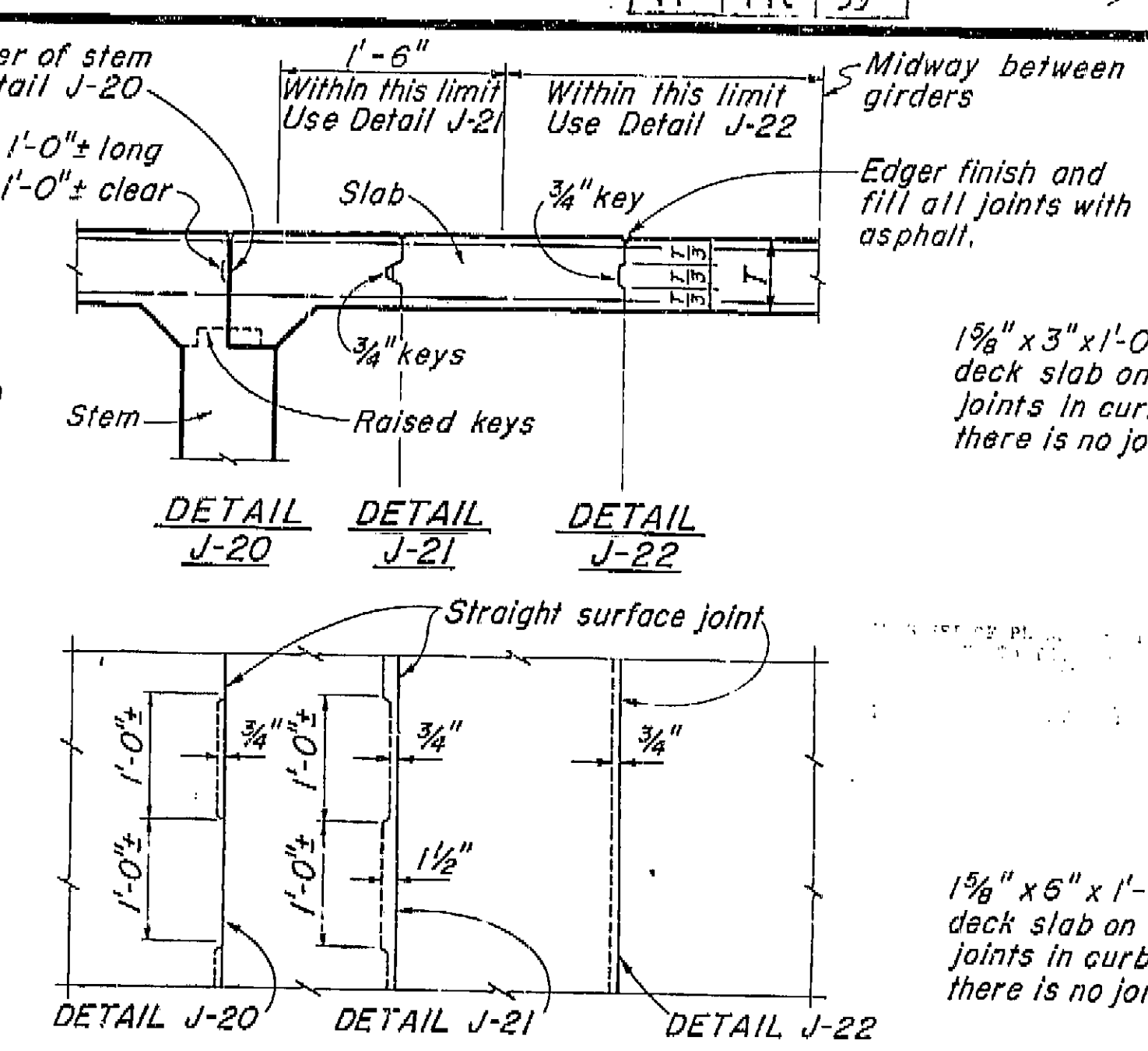
DATE	COUNTY	APPROVED	SECTION	NO.	TOTAL SHEETS
August 29, 1961					



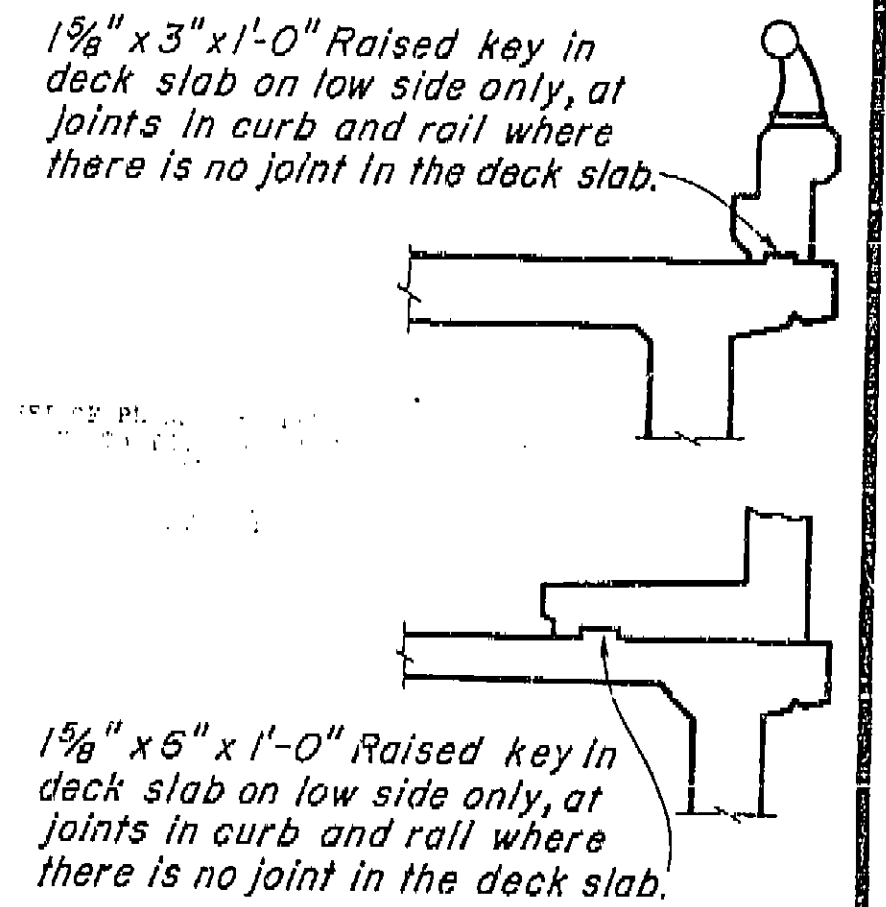
TRANSVERSE GIRDER CONSTRUCTION JOINTS
DETAIL J-3



BENT CAP LONGITUDINAL CONSTRUCTION JOINTS
DETAIL J-4



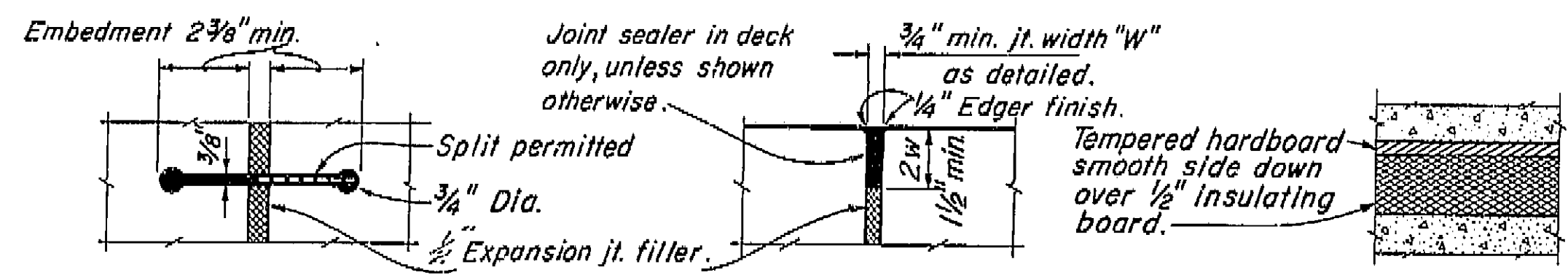
DECK SLAB LONGITUDINAL CONSTRUCTION JOINTS
Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer.



CURB AND SIDEWALK EXPANSION JOINT
DETAIL C-1

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

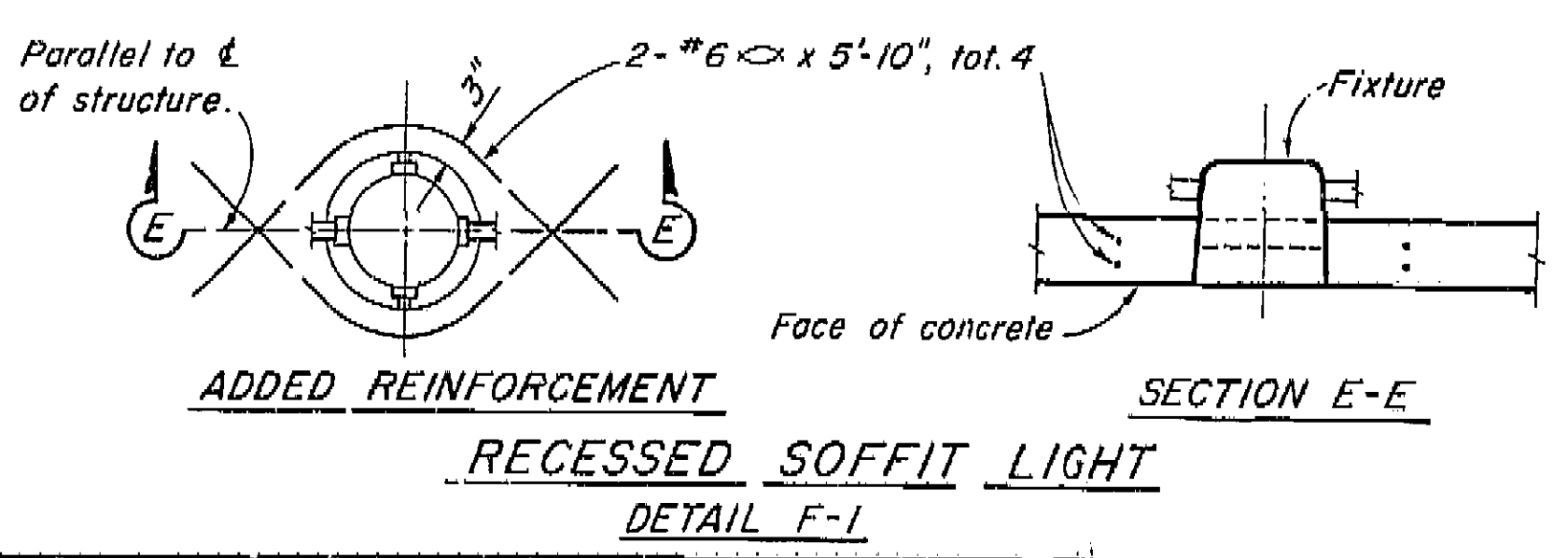
Note: For details of "Alternative Waterstop" see "Standard Details No. 1 sheet," "Route 4 On Ramp A.C."



RUBBER WATERSTOP
DETAIL W-1

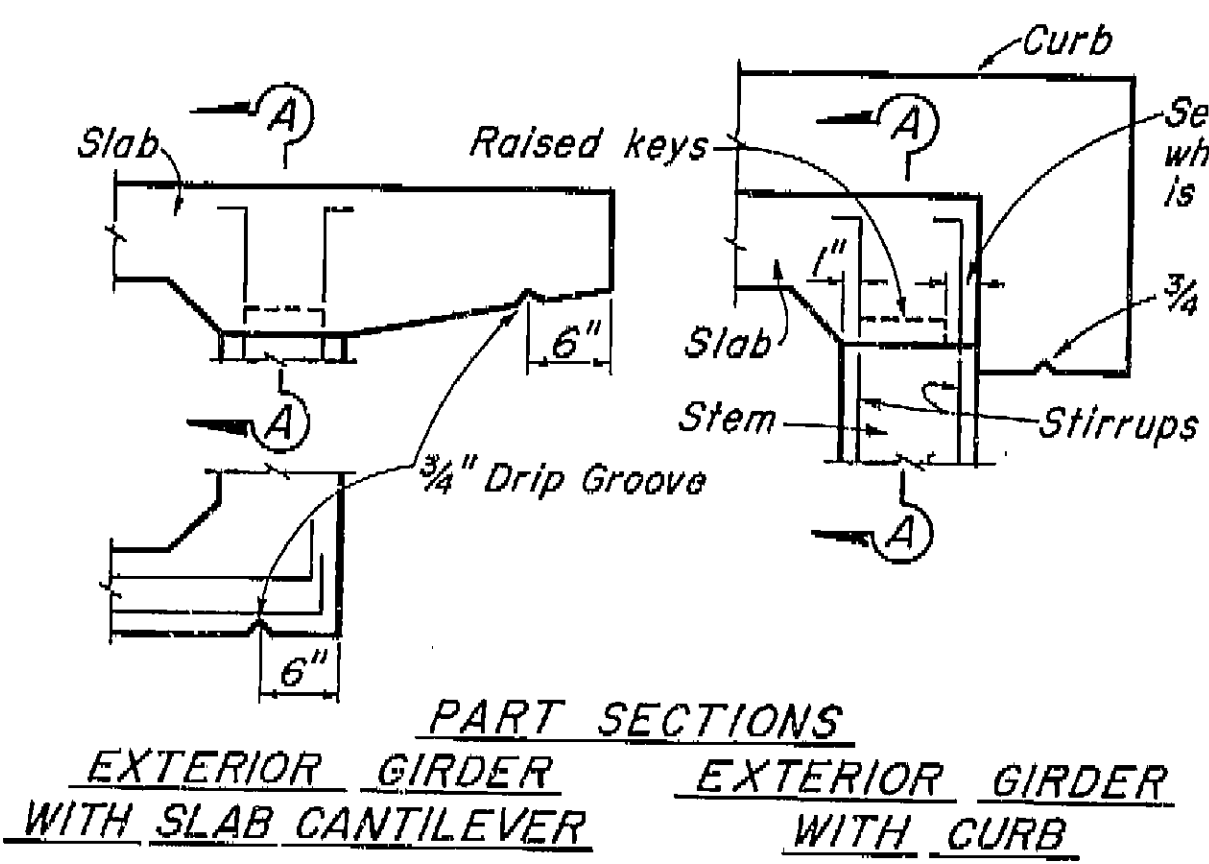
SEALED EXPANSION JOINT
DETAIL L-1

DETAIL M-1

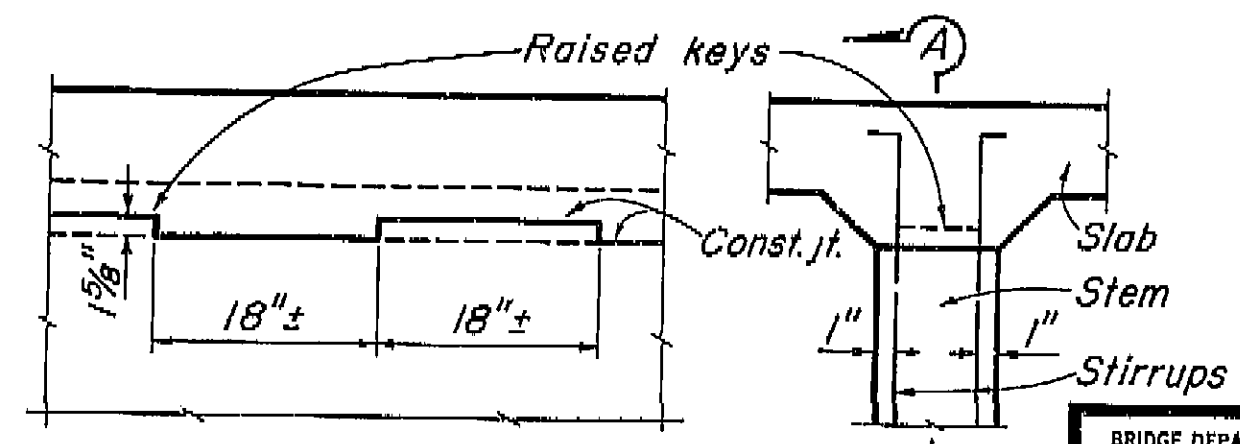


ADDED REINFORCEMENT

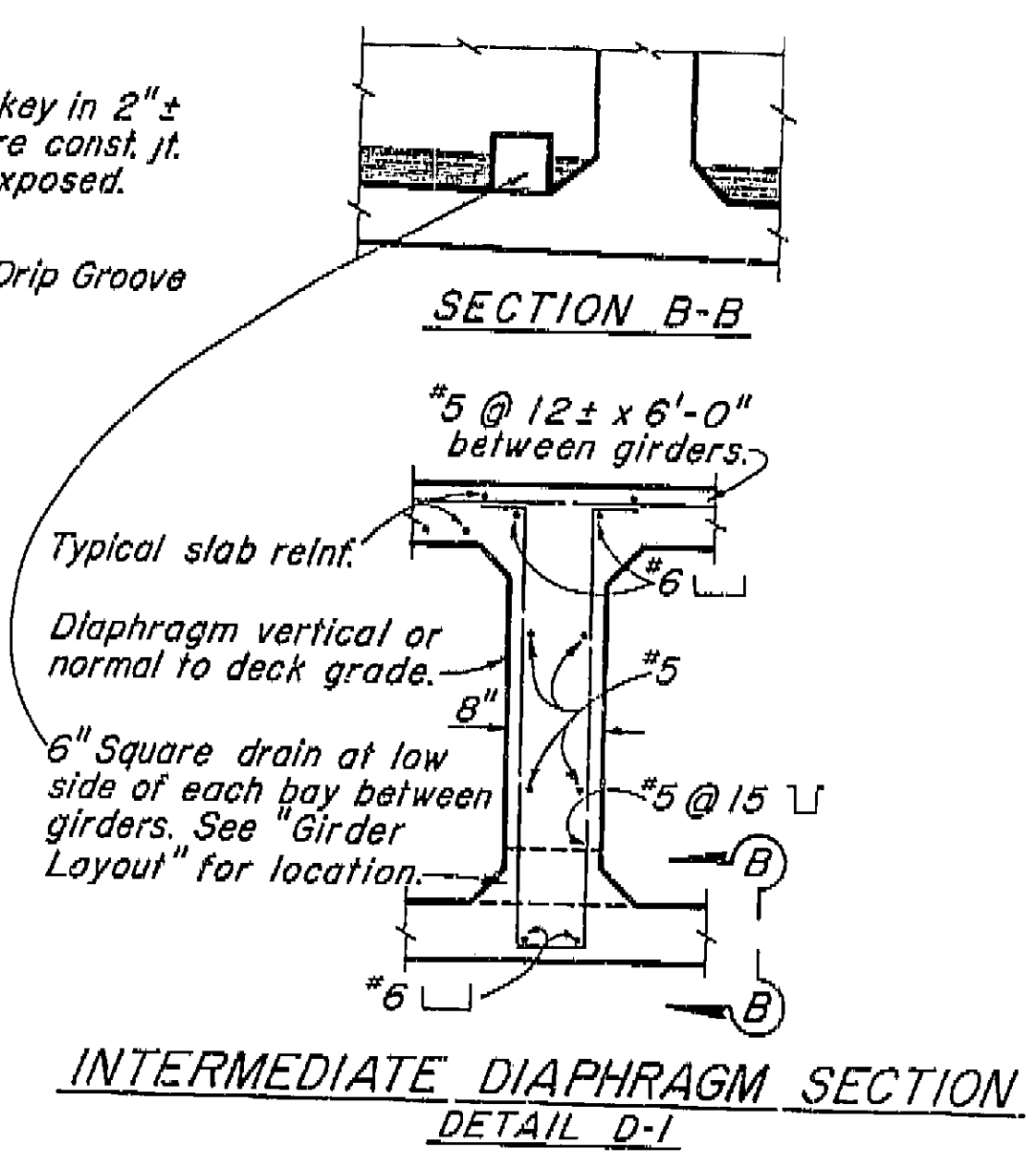
RECESSED SOFFIT LIGHT
DETAIL F-1



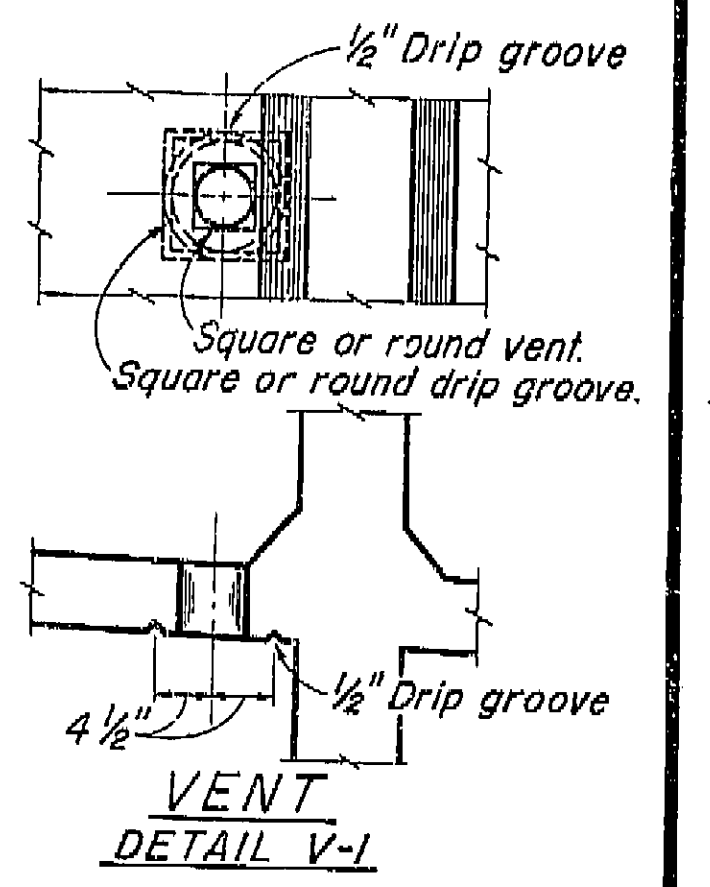
PART SECTIONS
EXTERIOR GIRDER WITH SLAB CANTILEVER
EXTERIOR GIRDER WITH CURB



SECTION A-A
PART SECTION INTERIOR GIRDER
KEY-GIRDER STEM TO SLAB
DETAIL J-5



INTERMEDIATE DIAPHRAGM SECTION
DETAIL D-1



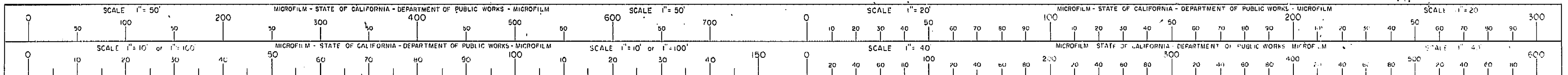
Note:
5" ϕ Vent in lower slab.
Min. of two vents per span in each bay between girders. One vent to be located at low point of span and other vent to be located at opposite end of span @ 1'-6" from face of Abutment or Bent. See "Girder Layout."

BRIDGE DEPARTMENT			
DESIGN SECTION			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	Date: 9/60
DETAILS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	Date: 9/60
QUANTITIES	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	Date: 9/60
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	Date: 9/60
Approved Recommended by: <i>[Signature]</i>			

9/60	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS
COSMOS PLAYGROUND PEDESTRIAN O.C.	
STANDARD DETAILS NO. 1 (BOX GIRDER)	
SCALE NONE	BRIDGE 42-215
FILE XS-16-22	DRAWING C-42215-10

Disregard prints bearing earlier dates

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 9/60 SIGNATURE: *[Signature]* TITLE: *[Title]*



Wed 9-24-58
ed Note

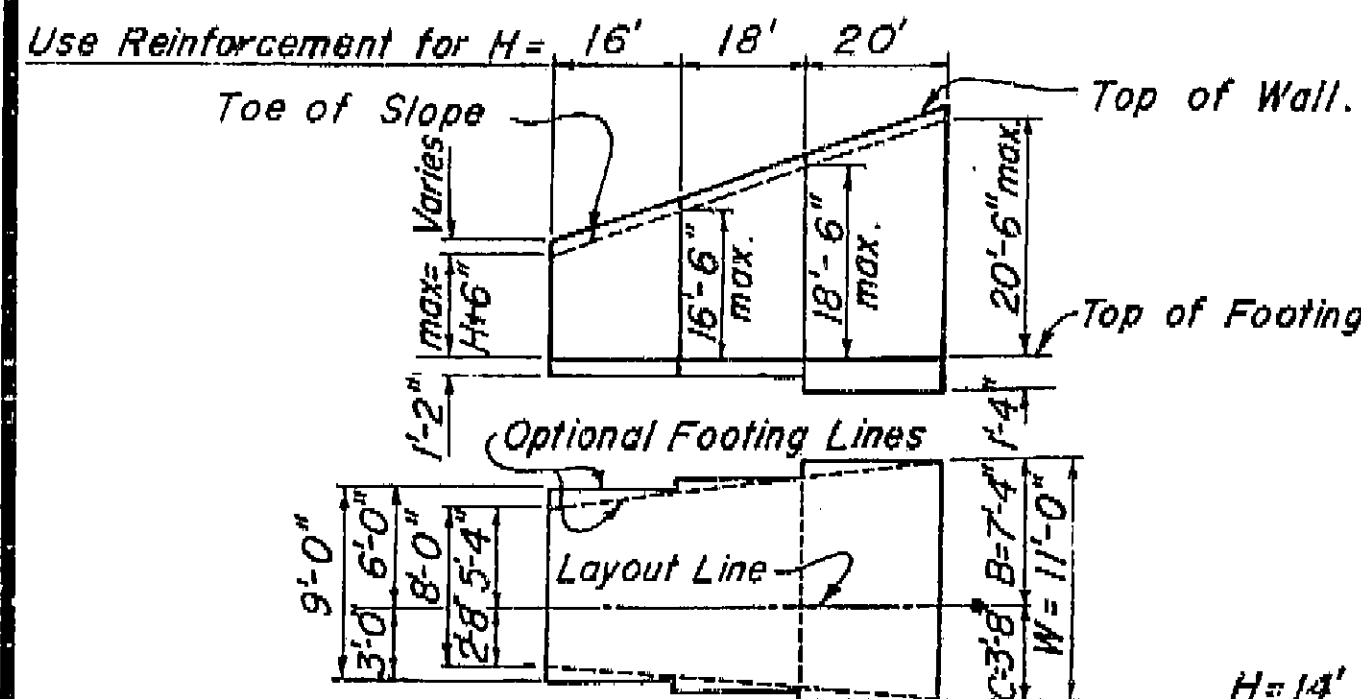
Location
by 9-26-58

Section Ref.
oved 10-21-58

nged note at top
spread of Sec.
6-21-60

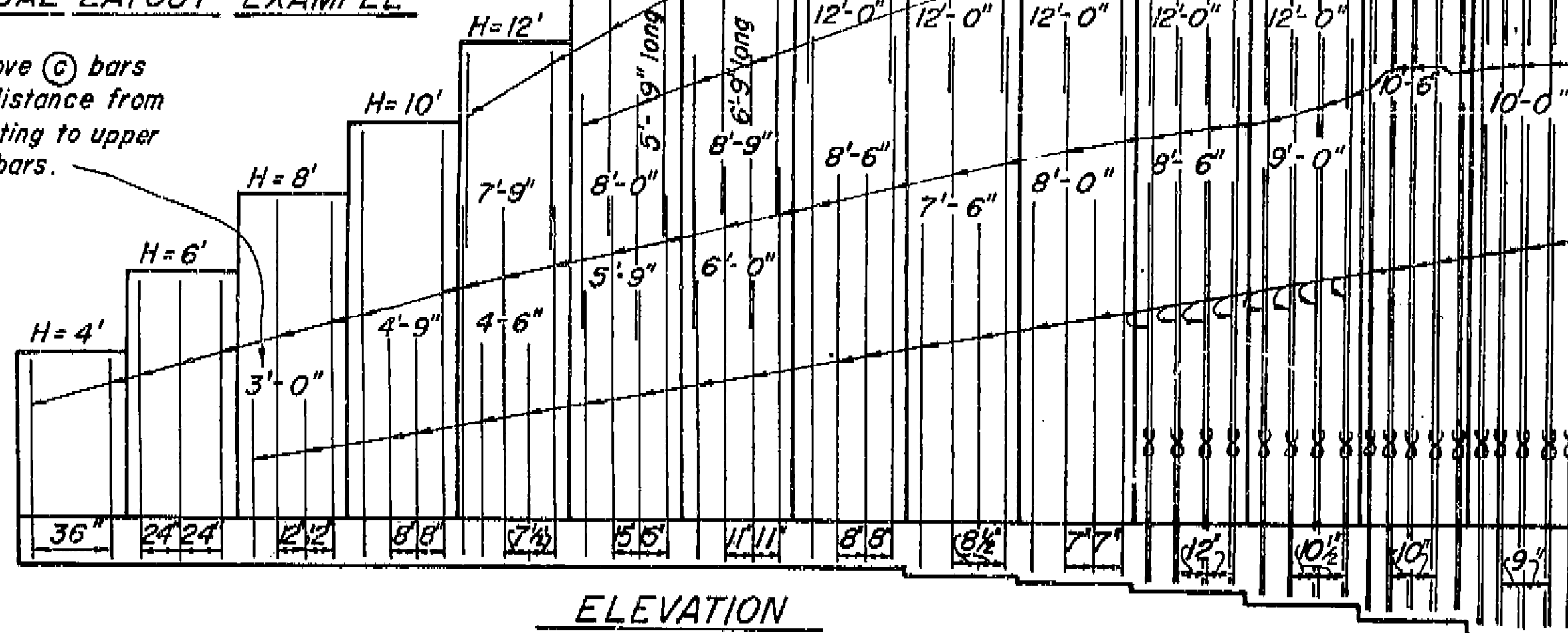
isions in table
60 JTT

Note:
Bar cut-offs may be varied in
increments of 6".



TYPICAL LAYOUT EXAMPLE

Number above (C) bars
indicates distance from
top of footing to upper
end of (C) bars.



ELEVATION

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

Design H	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'
W	3'-2"	4'-2"	5'-2"	6'-2"	7'-2"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-3"	14'-3"	15'-3"	16'-3"
C	1'-0"	1'-4"	1'-8"	2'-0"	2'-4"	3'-0"	3'-4"	4'-0"	4'-4"	5'-0"	5'-4"	6'-0"	6'-4"	7'-0"
B	2'-2"	2'-10"	3'-6"	4'-2"	4'-10"	5'-4"	6'-0"	6'-8"	7'-4"	8'-0"	8'-10"	9'-6"	10'-2"	10'-10"
F Spread Ftg.	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"
F+3" Conc. Pile	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"	1'-5"
F+6" Sil. or Tmr. p.	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"
S	1'-2"	1'-3"	1'-4"	1'-5"	1'-6"	1'-7"	1'-8"	1'-9"	1'-10"	2'-0"	2'-2"	2'-5"	2'-8"	3'-10"
Batter	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12
⊙ bars														
⊙ bars														
⊙ bars														
⊙ bars														
Total ⊙ bars	6'-6"	6'-6"	6'-6"	10'-7"	10'-7"	10'-7"	10'-7"	8'-7"	8'-7"	8'-7"	10'-12"	10'-12"	9'-10"	9'-9"
Total ⊙ bars														
H Comp. pounds	850	1440	2170	3050	4070	5240	6540	8000	9730	11630	13730	15950	18650	21145
V Comp. pounds	2020	3460	5230	7340	9760	12180	15260	18670	22690	27070	31750	36870	44560	50450
e feet	50	60	79	94	107	128	141	154	172	190	208	225	252	270
Toe Pressure P.S.F.	1240	1570	1930	2270	2640	2980	3290	3590	4000	4480	4640	5040	5810	6190
Spread Steel lbs/ft	14	20	28	39	56	84	108	169	206	259	328	393	429	484
Footing Conc. CF/ft	8.9	12.6	16.3	20.2	24.3	29.5	33.8	38.5	45.0	52.1	63.1	73.0	87.6	102.7
Conc. Steel lbs/ft	2.4	3.1	3.9	7.4	9.2	12.0	14.4	19.8	23.6	28.9	34.8	41.3	44.9	50.4
Pile ftg. Conc. CF/ft	8.8	12.8	16.7	20.8	25.2	29.5	34.1	39.0	45.8	53.1	64.4	74.6	89.4	104.8

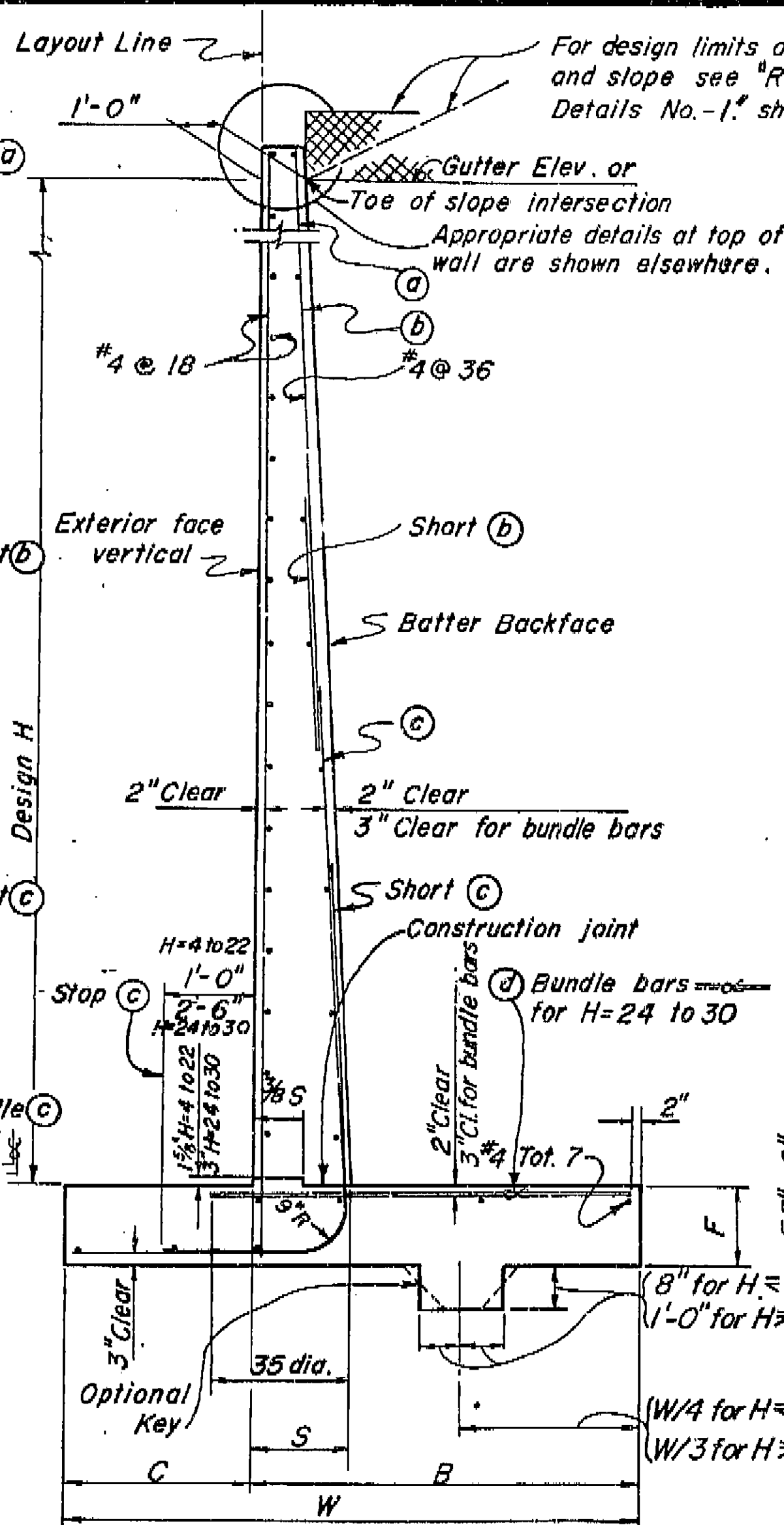
⊙ Denotes a bundle of 2 bars.

AS BUILT PLANS

Contract No. 62-6T13C3

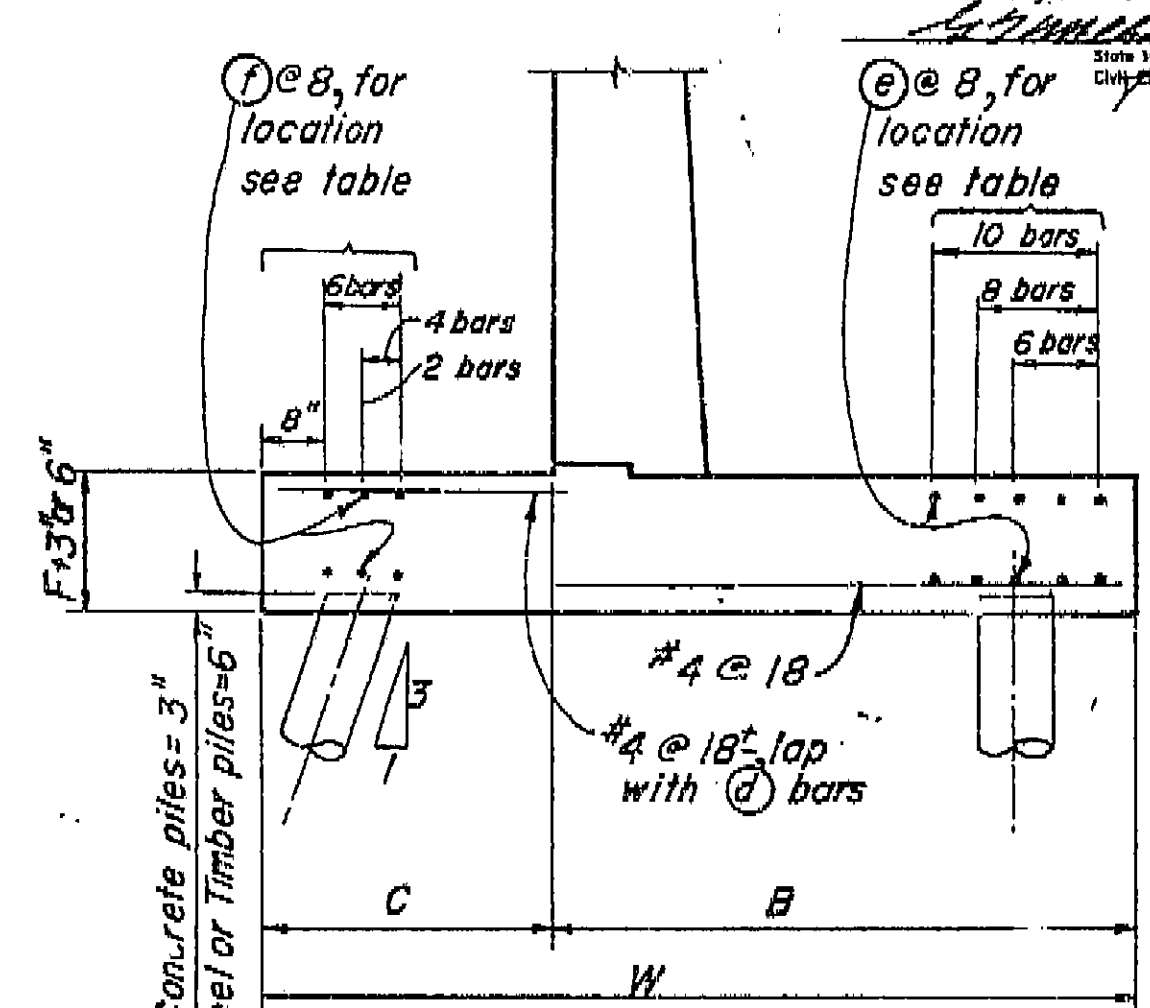
Date Completed

Document No. 60001062

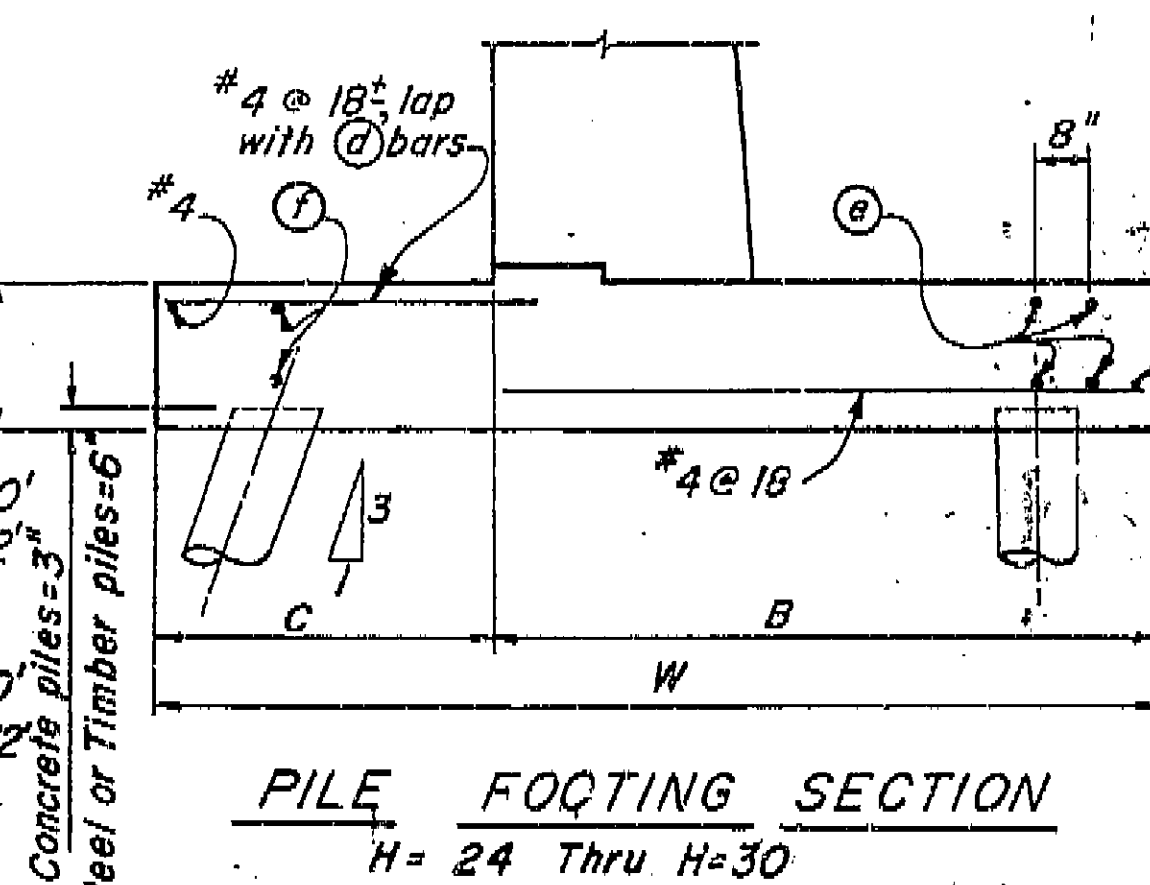


SPREAD FOOTING SECTION

Note:
For details not shown and drainage notes
see "Retaining Wall Details No. 1."



PILE FOOTING SECTION
H=4 Thru H=22



PILE FOOTING SECTION
H=24 Thru H=30

Note:
Reinforcement detailed is to be placed
in addition to that shown for spread
footing. All piles not shown, see Pile
Layout on other sheets.

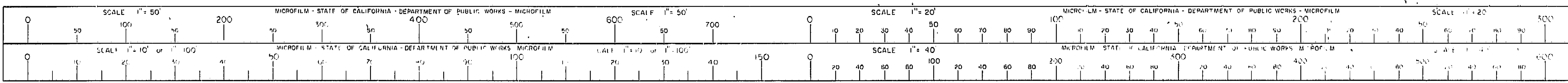
⊙ For pile footing Design H=4' use
same footing dimensions as
Design H=6'

BRIDGE DEPARTMENT
DESIGN SECTION
Project Designer: [Signature]
Chief Designer: [Signature]
DESIGN: [Signature]
DETAILS: [Signature]
QUANTITIES: [Signature]
SPECIFICATIONS: [Signature]

9/60
COSMOS PLAYGROUND PEDESTRIAN JO.
TYPE 1, CANTILEVER RETAINING WALL
SCALE: NONE
CRIDGE: 42-215
FILE: 48-3-46
DRAWING: C-42-215-5

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN
UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO
AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

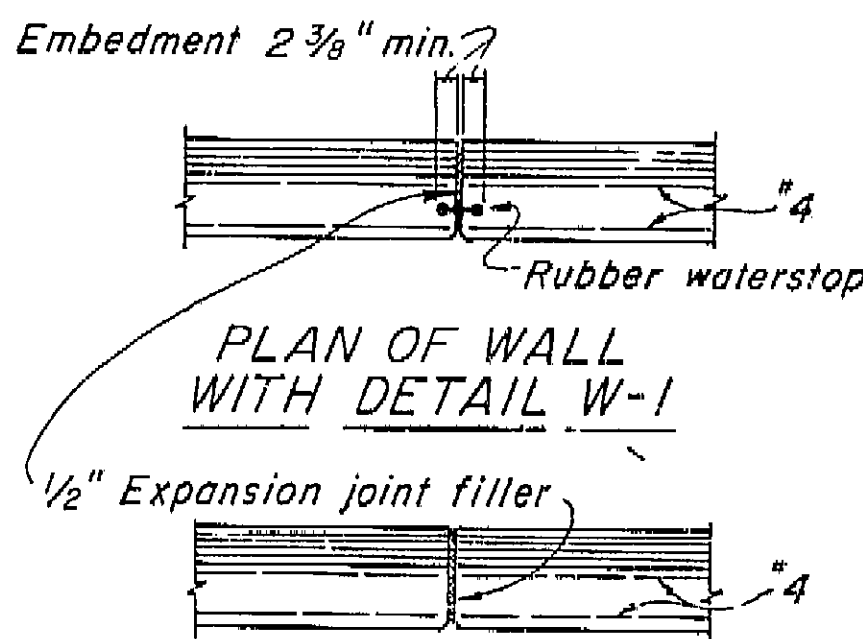
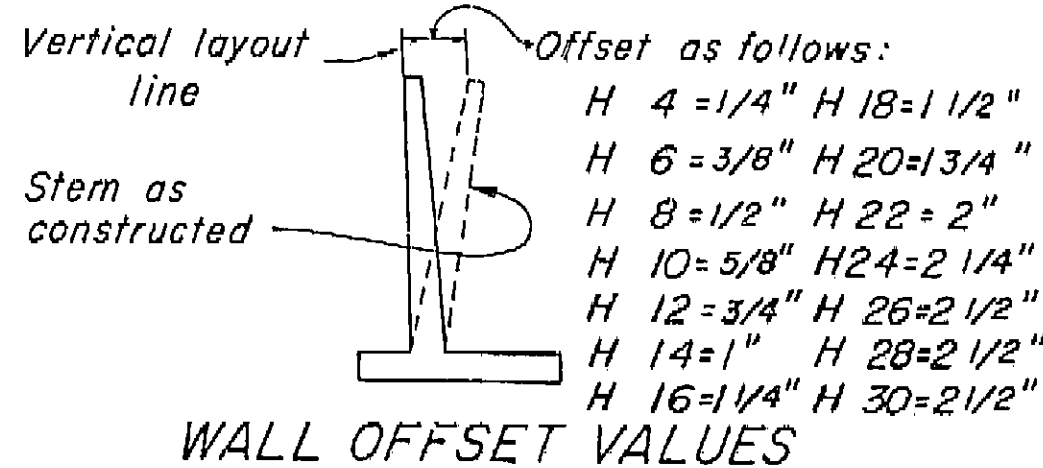
DATE: [Signature] SIGNATURE: [Signature] TITLE: [Signature]



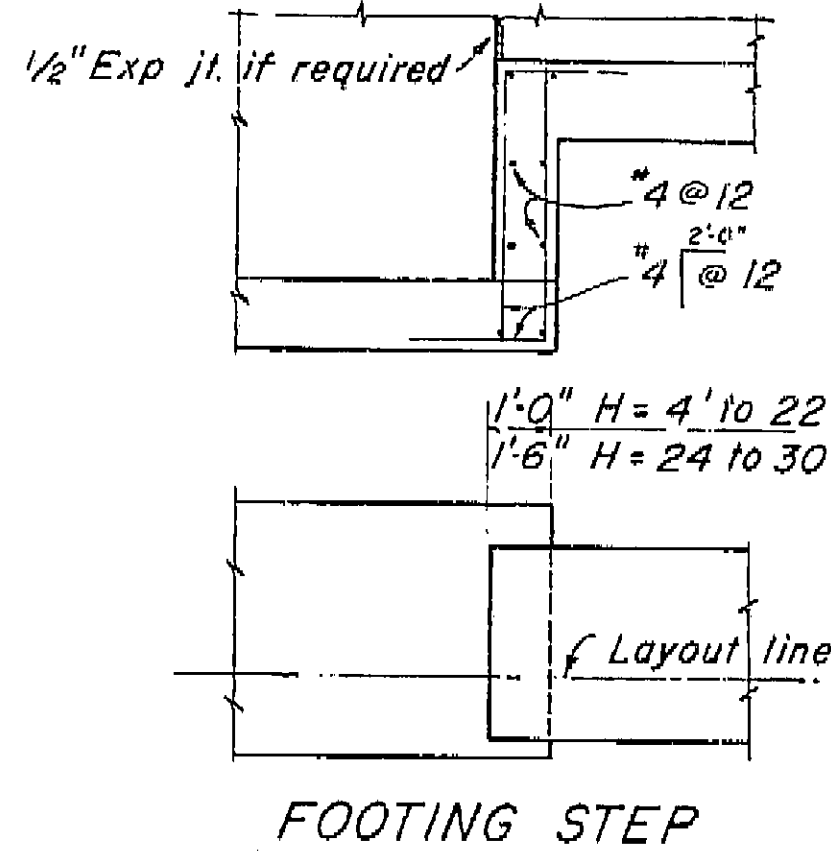
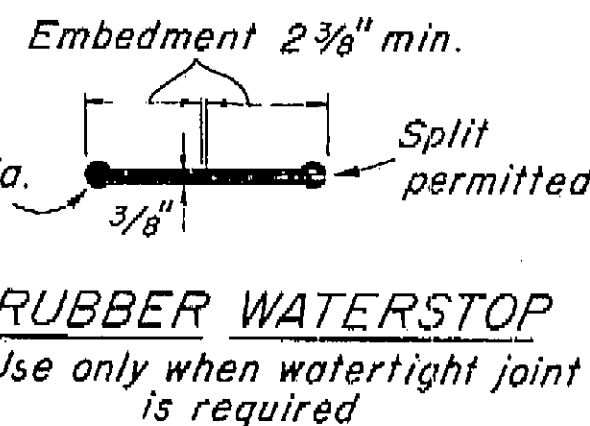
Offset values
as Key 9-58B

Option: Optional
as Key 9-58B

Multi-note in Design
note Def.
7-59 J.T.J.



PLAN OF WALL WITH EXPANSION JOINT ONLY



Note: For details of "Alternative Waterstop" see "Standard Details No. 1 sheet," Route 4 On Ramp O.C.

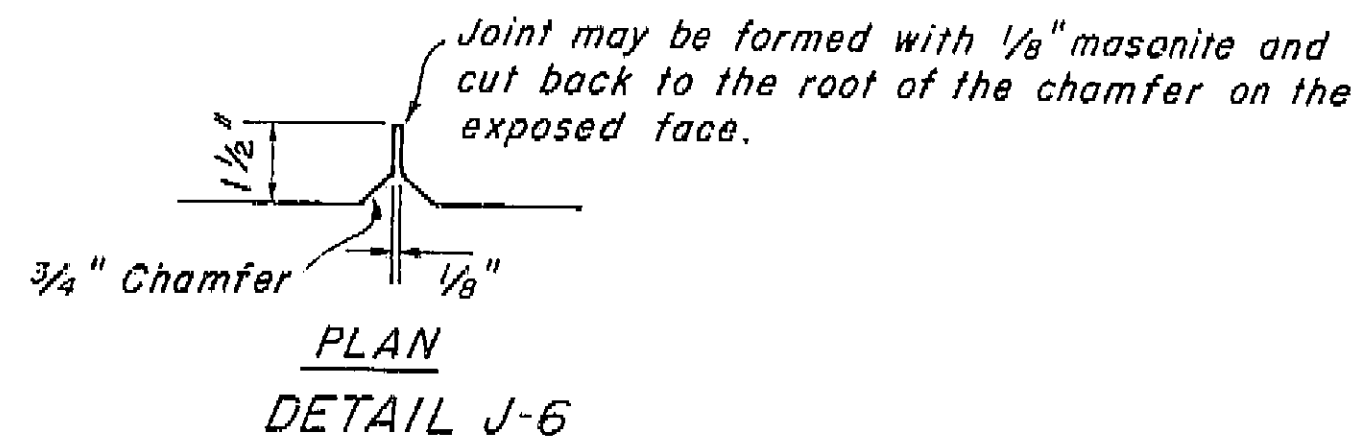
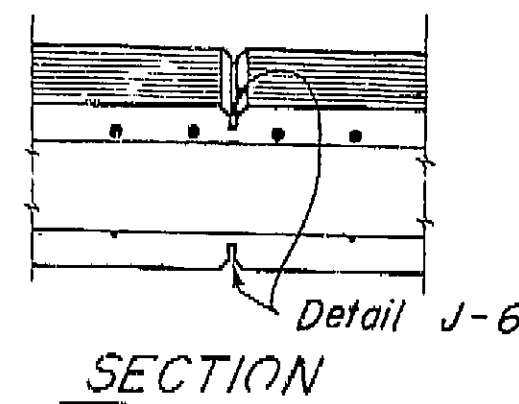
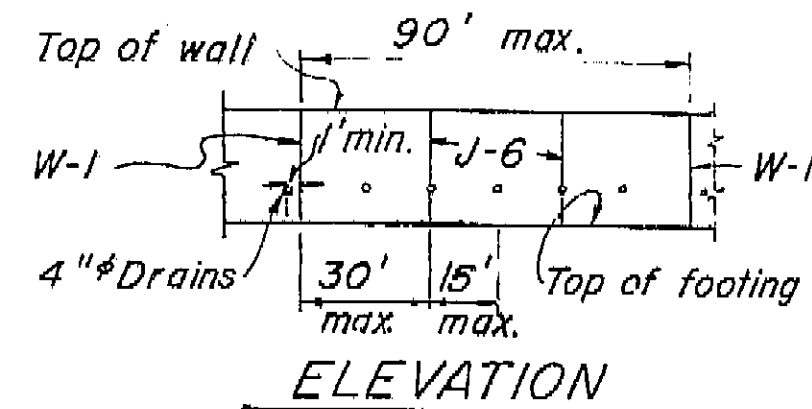
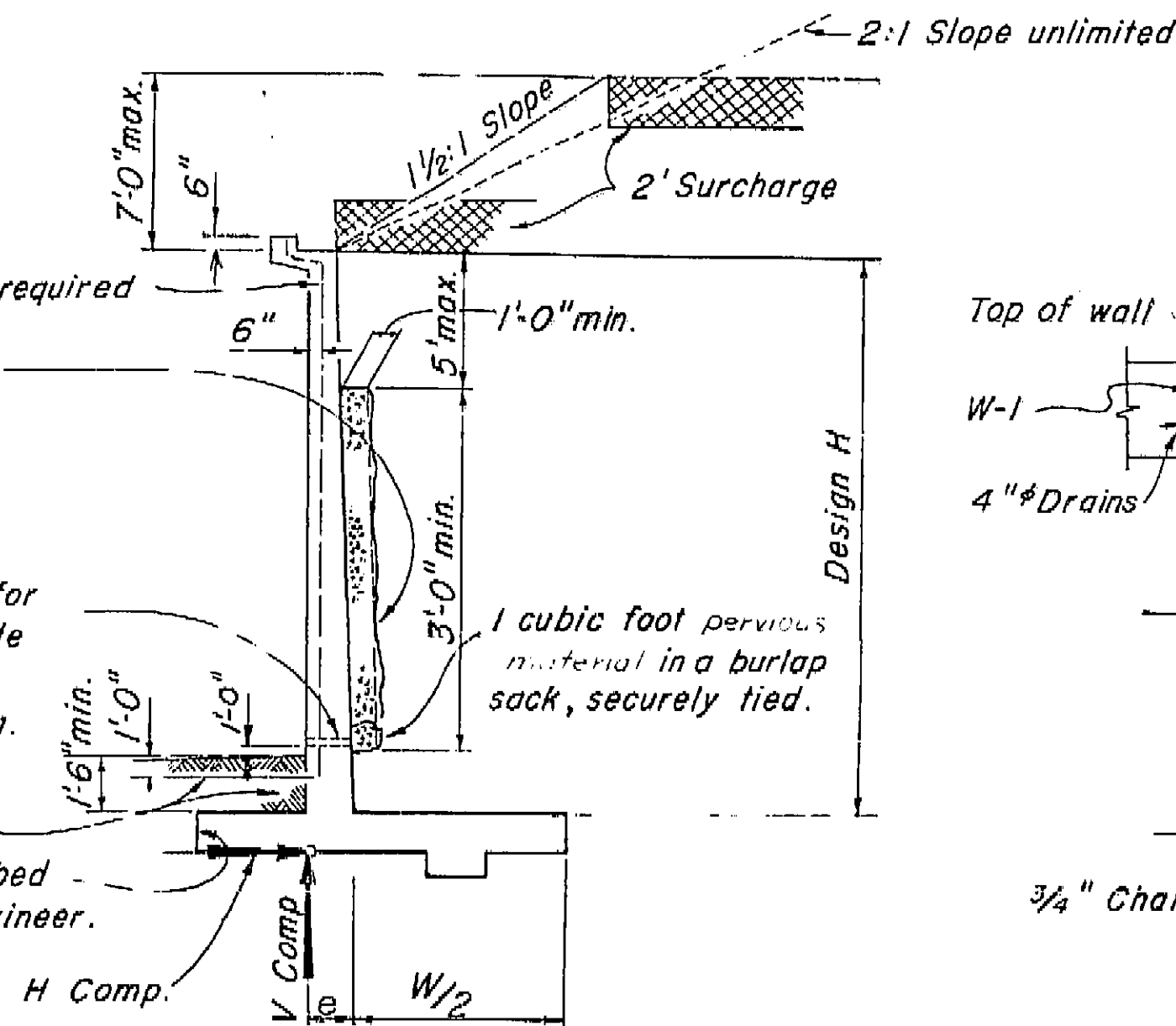
Place rubber waterstop as shown when required

Pervious material continuous behind wall.

4" # drains @ 15' ctrs. max. (9' ctrs. max. for Type 3 & 4 ret. walls), 1" above outside ground surface. Slope 1/2" per foot.

Backfill sufficiently to prevent ponding. To be done after removal of wall forms and before backfilling behind wall.

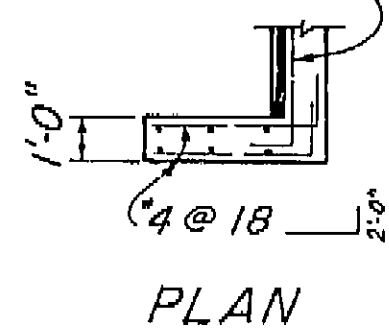
Place concrete in toe against undisturbed material, except as permitted by the Engineer.



DESIGN AND DRAINAGE

Surcharge limits shown apply to Retaining walls Type 1 and 3.

Std. reinforcement, bend as shown.



AS BUILT PLANS

Contract No. 62-6713C3

Date Completed

Document No. 60001062

NOTES

Design Conditions:

Design H may be exceeded by 6" before going to the next size.

Footing key is required except when found unnecessary by the Engineer.

Special footing design is required where foundation material is incapable of supporting toe pressure loads listed in table.

Design Data:

$f_c = 1200$ psi $f'_c = 3000$ psi $f_s = 20,000$ psi $n = 10$ earth = 120 pcf

Equivalent fluid pressure = 36 pcf max. for determination of toe pressure.

27 pcf min. for determination of heel pressure.

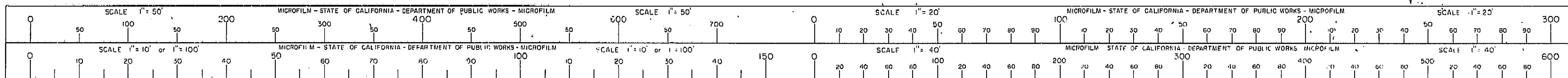
THIS SET OF PLANS HAS BEEN OVERLOOKED TO CORRECT THE "AS BUILT" PRINTS DATED 10/59, AND SUBMITTED BY ARCHITECT 10/59, PROJECTED BY DATE 10/59.

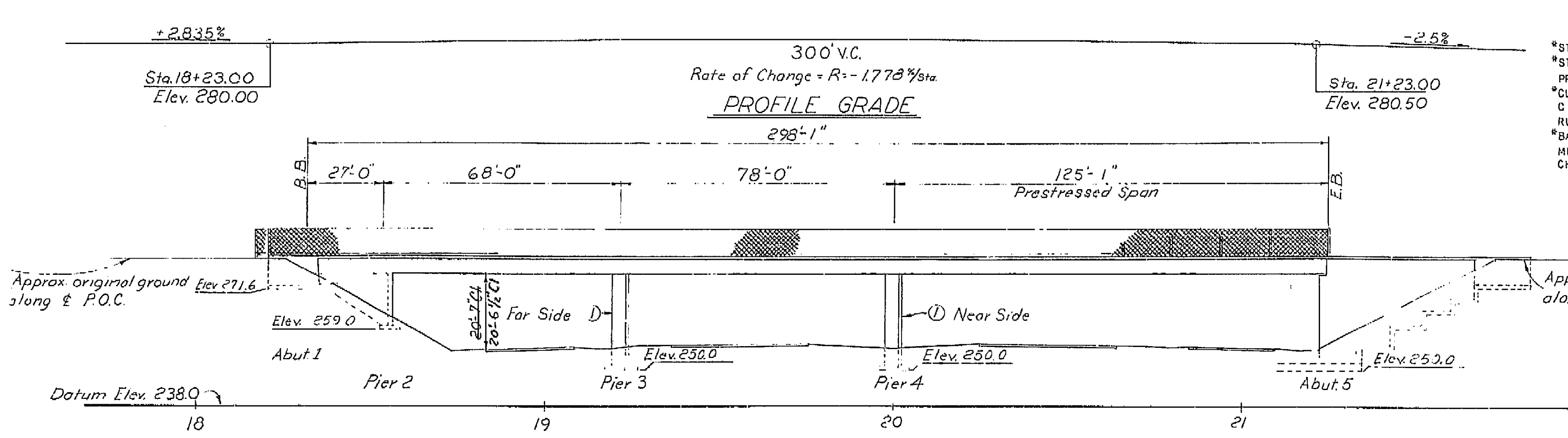
BRIDGE DEPARTMENT		DESIGN SECTION		10/59		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Project Designer: <i>[Signature]</i>		Chief Designer: <i>[Signature]</i>		COSMOS PLAYGROUND PEDESTRIAN O.C.		RETAINING WALL DETAILS NO. 1	
DESIGN	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>
DETAILS	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>
QUANTITIES	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>
SPECIFICATIONS	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>	Checked <i>[Signature]</i>	By <i>[Signature]</i>
Approval Recommended by: <i>[Signature]</i>		Checked and Approved by: <i>[Signature]</i>		SCALE None		BRIDGE 42-015	
Project of Bridge		Checked and Approved by: <i>[Signature]</i>		FILE		X53-45	
PREL. DRAWING NO. P-42215-12		10/59		DRAWING C.42215-6		33	

Disregard prints bearing earlier dates

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 10/12/12 SIGNATURE *[Signature]* TITLE *[Title]*





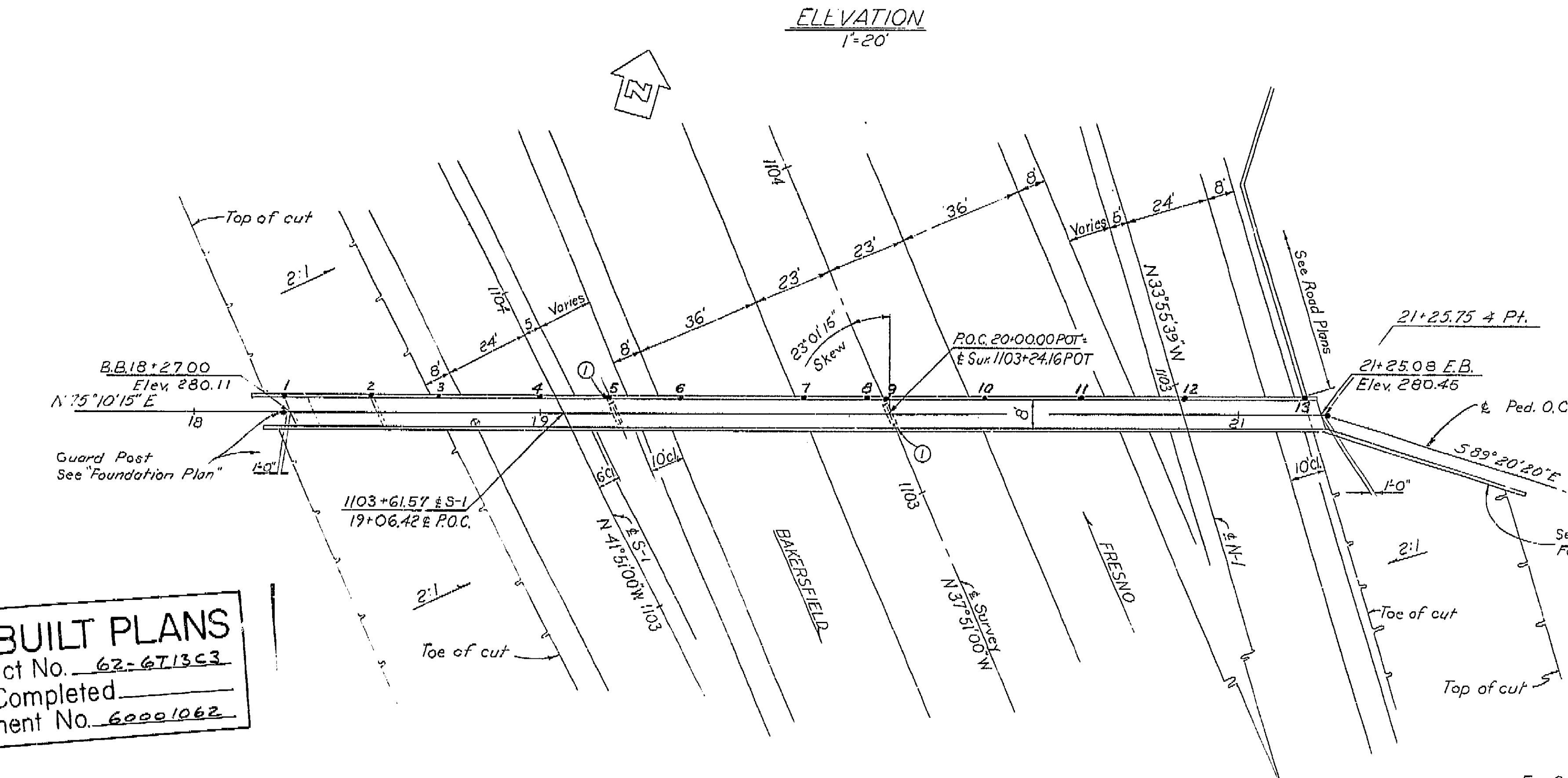
APPROXIMATE QUANTITIES

*STRUCTURE EXCAVATION (BRIDGE)	450 C.Y.
*STRUCTURE BACKFILL (BRIDGE)	510 C.Y.
PRESTRESS C.I.P. CONCRETE	LUMP SUM
*CLASS "A" CONCRETE (BRIDGE)	315 C.Y.
C.I.P. PRESTRESSED CONCRETE	78 C.Y.
RUBBER WATERSTOPS	80 L.F.
*BAR REINFORCING STEEL (BRIDGE)	59,000 LBS.
MISCELLANEOUS METAL (BRIDGE)	900 LBS.
CHAIN LINK ENCLOSURE	112 L.F.

*FINAL QUANTITIES

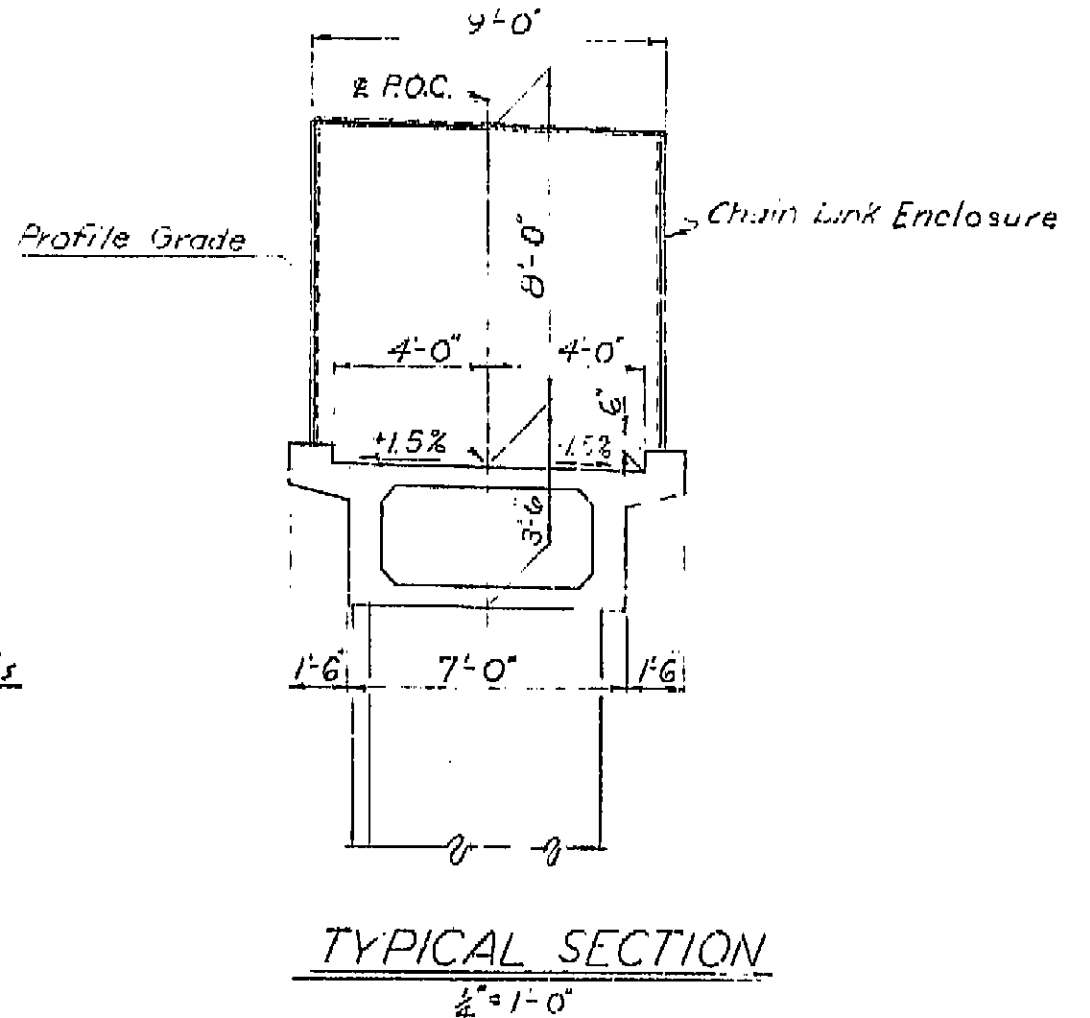
PM-19.4

August 28, 1961



Final Elev. Copper Nails

1.	280.688
2.	281.317
3.	281.717
4.	282.143
5.	282.459
6.	282.674
7.	282.779
8.	282.803
9.	282.773
10.	282.714
11.	282.359
12.	281.732
13.	281.135



INDEX TO PLANS

SHEET NO.	TITLE
1.	General Plan
2.	Foundation Plan
3.	Abutment 1 & Pier 2 Details
4.	Abutment 5 Details
5.	Type 1 Cantilever Retaining Wall
6.	Retaining Wall Details No. 1
7.	Pier 3 & 4 Details
8.	Typical Section & Girder Layout
9.	Girder Reinforcement
10.	Standard Details No. 1
11.	Standard Details No. 2
12.	Chain Link Enclosure
13.	Log of Test Borings
14.	Lighting Plan
15.	Lighting Details

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

① Indicates location for pointing Cosmos Playground Pedestrian O.C. and Bridge Number.
⊗ Indicates point of minimum vertical clearance

PLAN 1"=20'
1100+04.89 POT & N is 59' Rt.
1100+04.89 POT & Survey

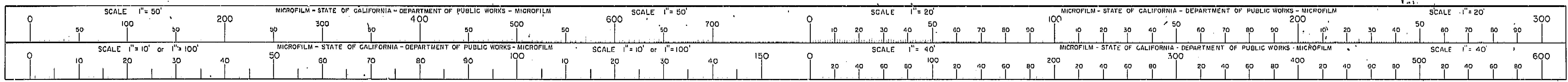
LIVE LOADING-SIDEWALK

For General Notes See "Standard Details No. 2" sheet

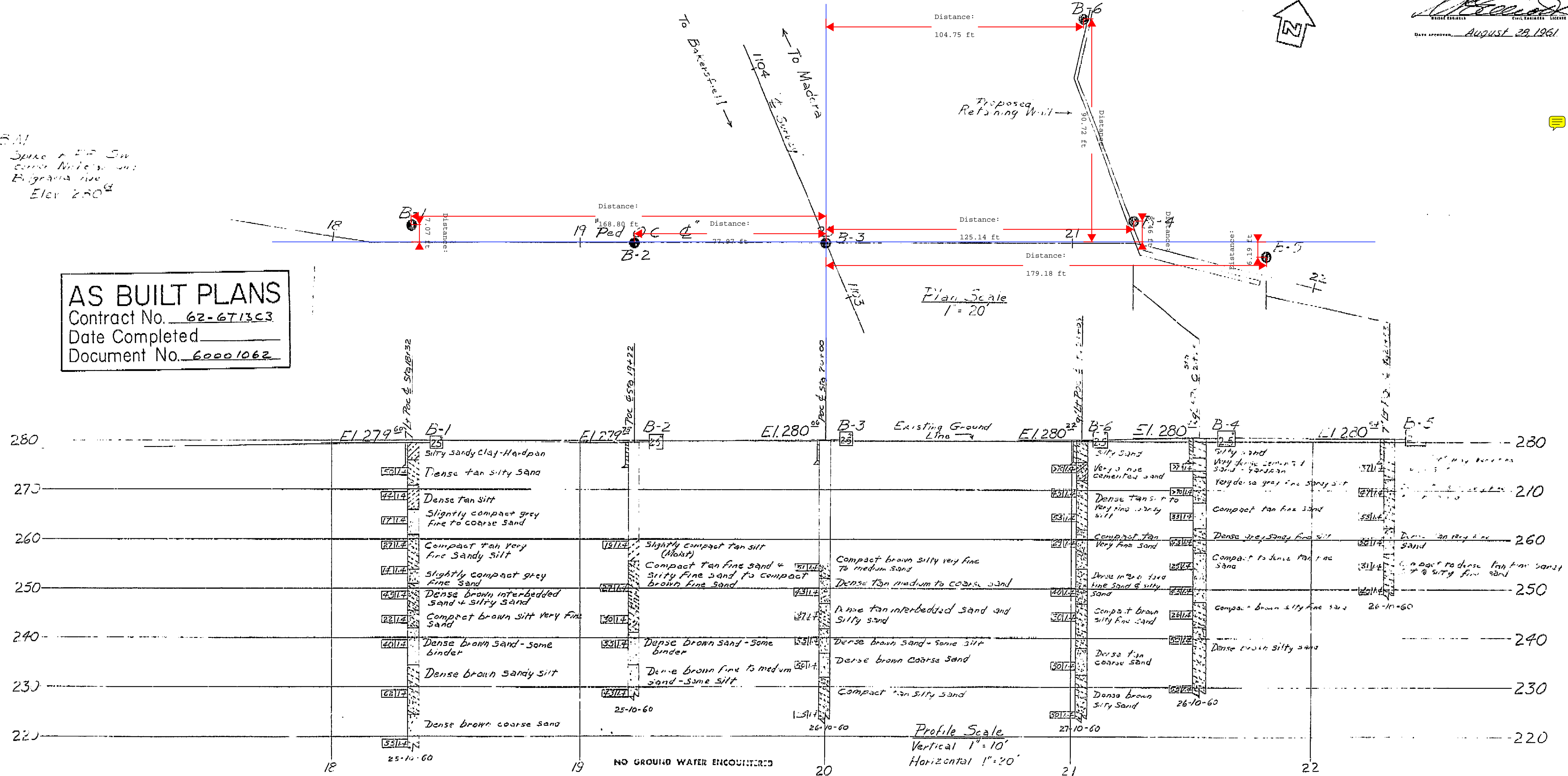
BRIDGE DEPARTMENT			
DESIGN SECTION			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
DETAILS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
QUANTITIES	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
Approval Recommended by: <i>[Signature]</i>			

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
COSMOS PLAYGROUND PEDESTRIAN O.C.			
TO BE LOCATED IN THE CITY OF FRESNO			
GENERAL PLAN			
SCALE AS NOTED	BRIDGE #2-215	FILE	DRAWING C-421/5-1

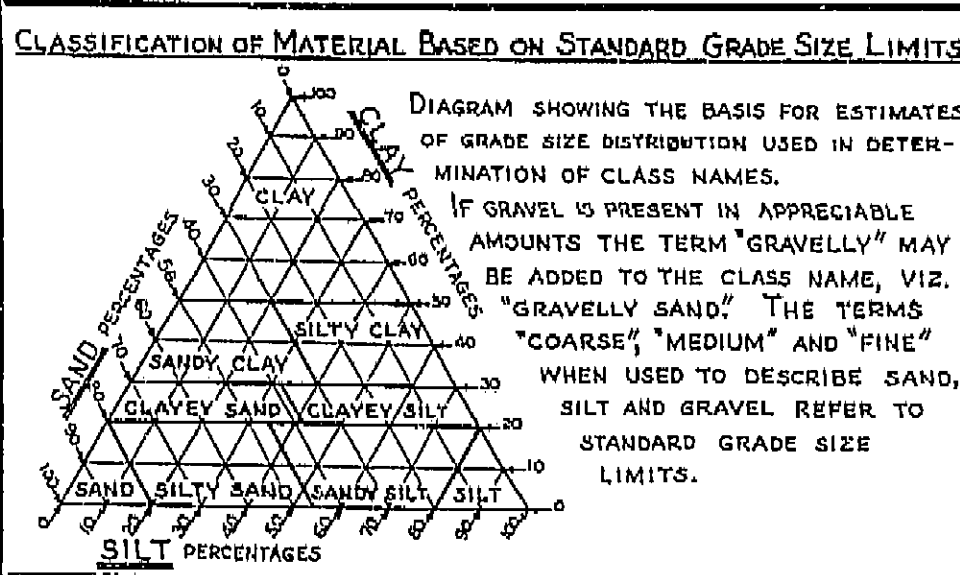
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Title]*



AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



FIELD STUDY
DRAWN
CHECKED
APPROVED



LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

PLAN OF ANY BORING	Top Hole El.
PENETROMETER	Blows per foot
2 1/2" CONE PENETROMETER	Size of sampler (inches)
SAMPLER BORING (DRY)	Blows per foot
ROTARY BORING (WET)	Unit weight (pcf)
AUGER BORING (DRY)	Consolidation Test
JET BORING	Estimated material change
CORE BORING	Unconformable material change
TEST PIT	Penetration Boring

NOTE

Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

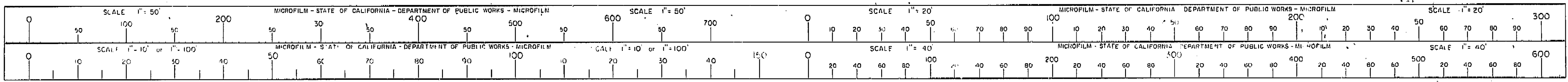
COSMOS PLAYGROUND PEDESTRIAN O.C.

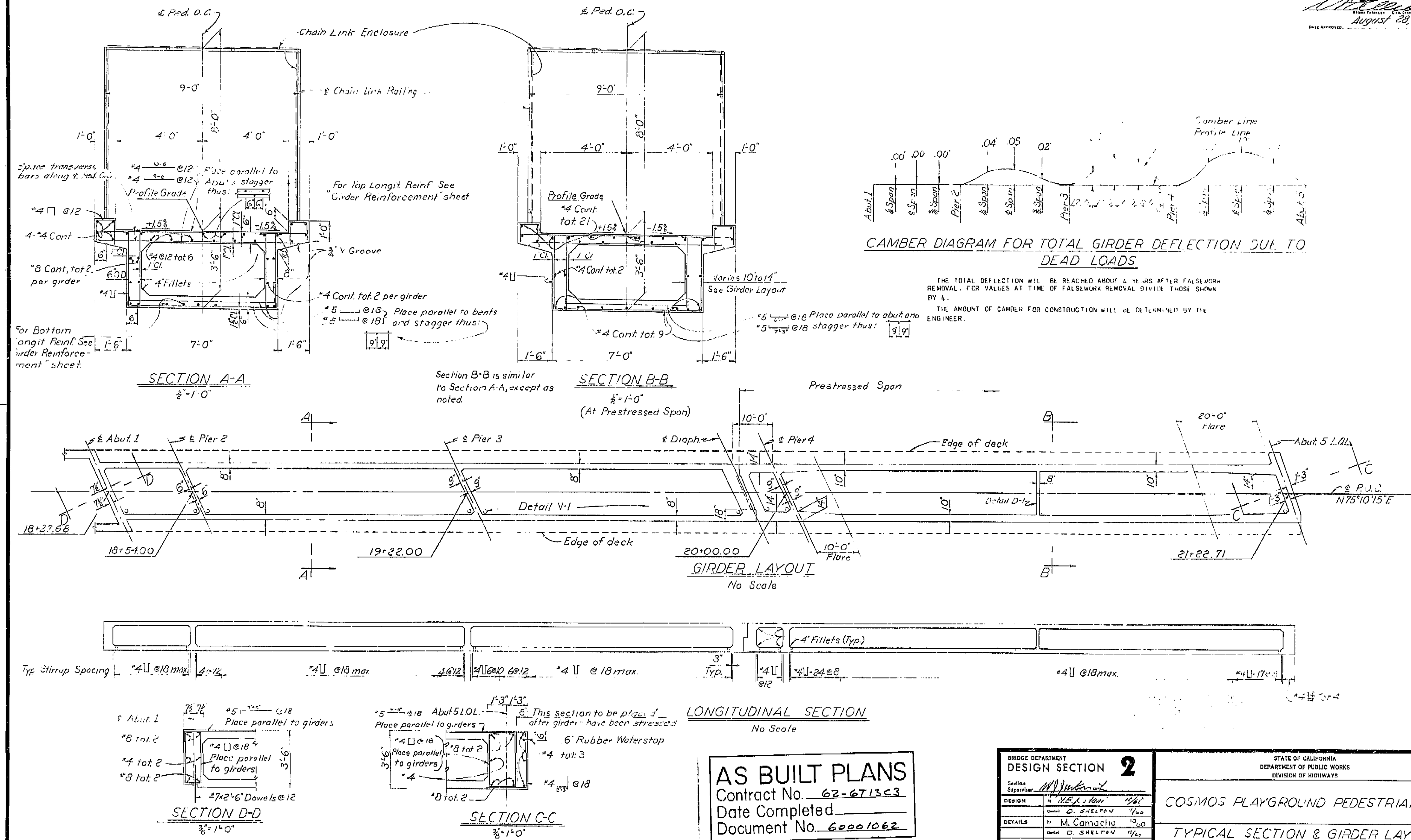
LOG OF TEST BORINGS

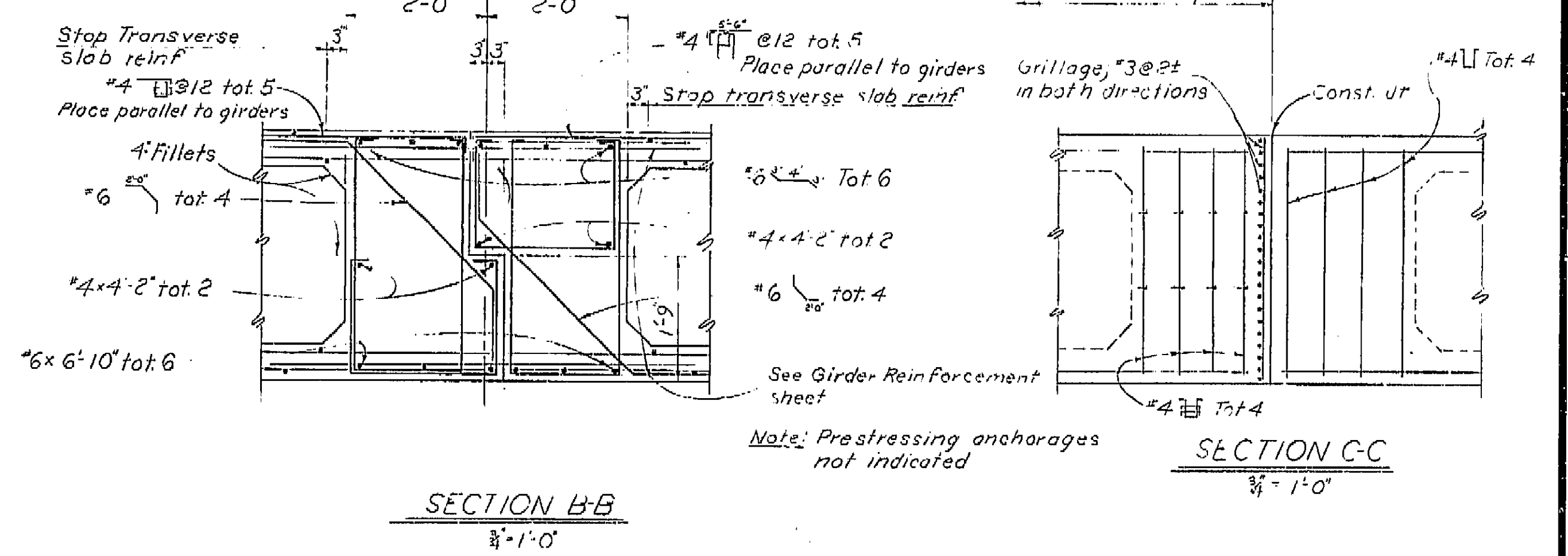
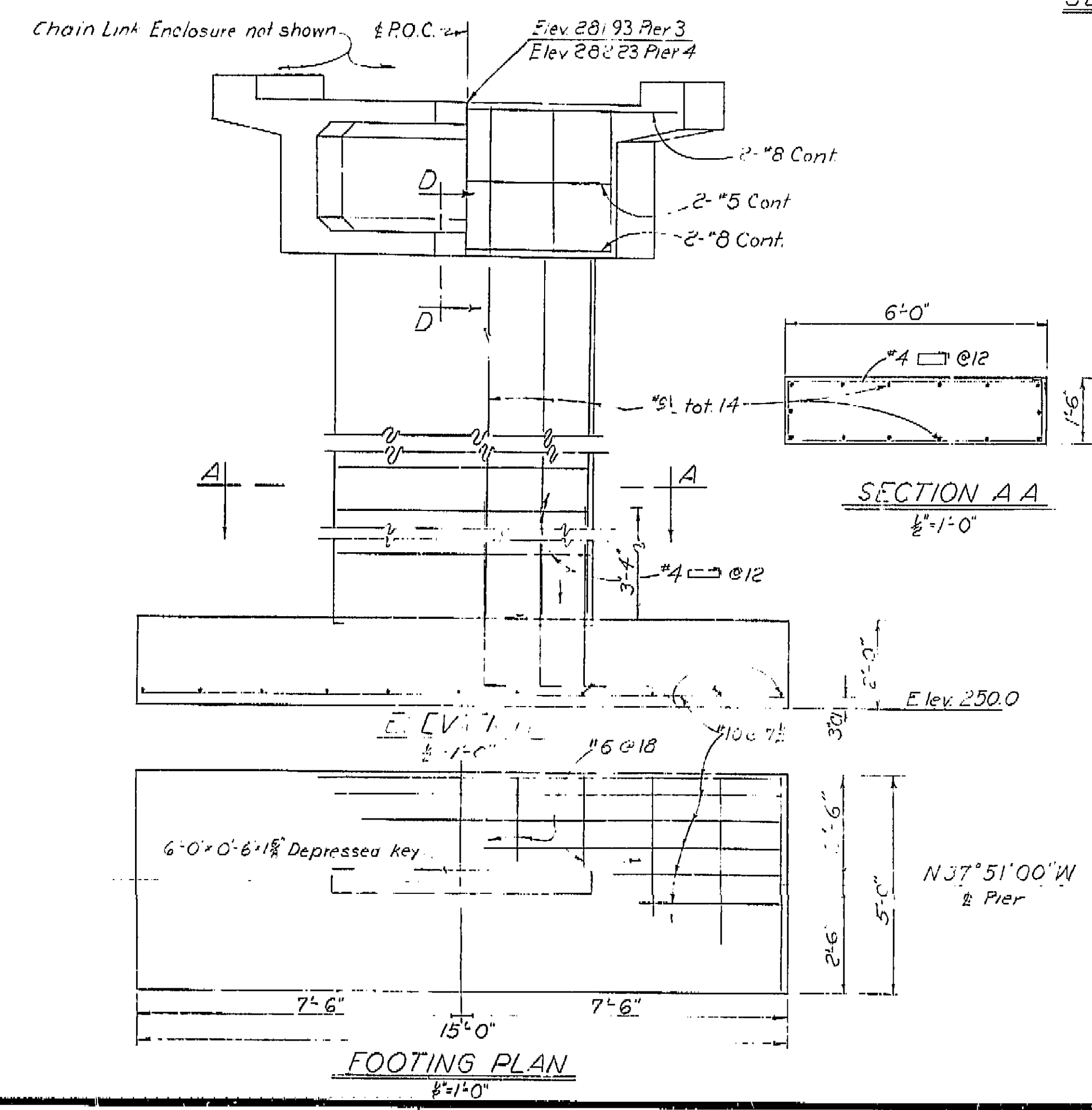
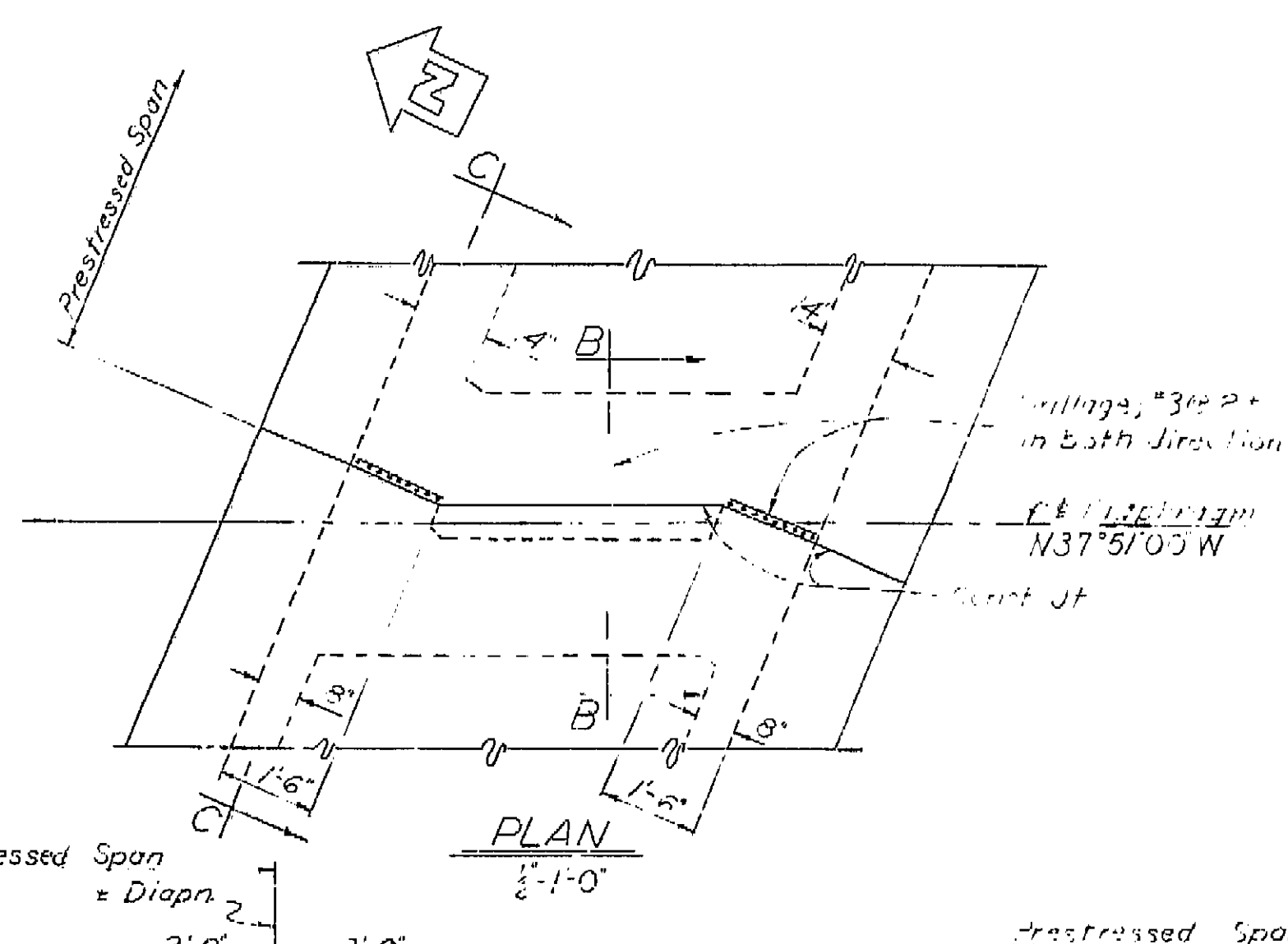
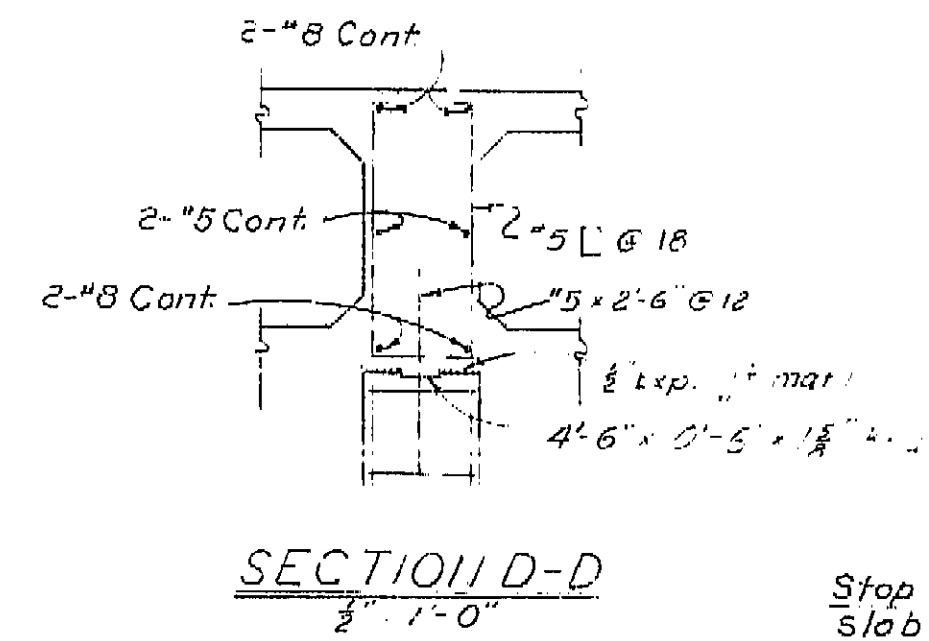
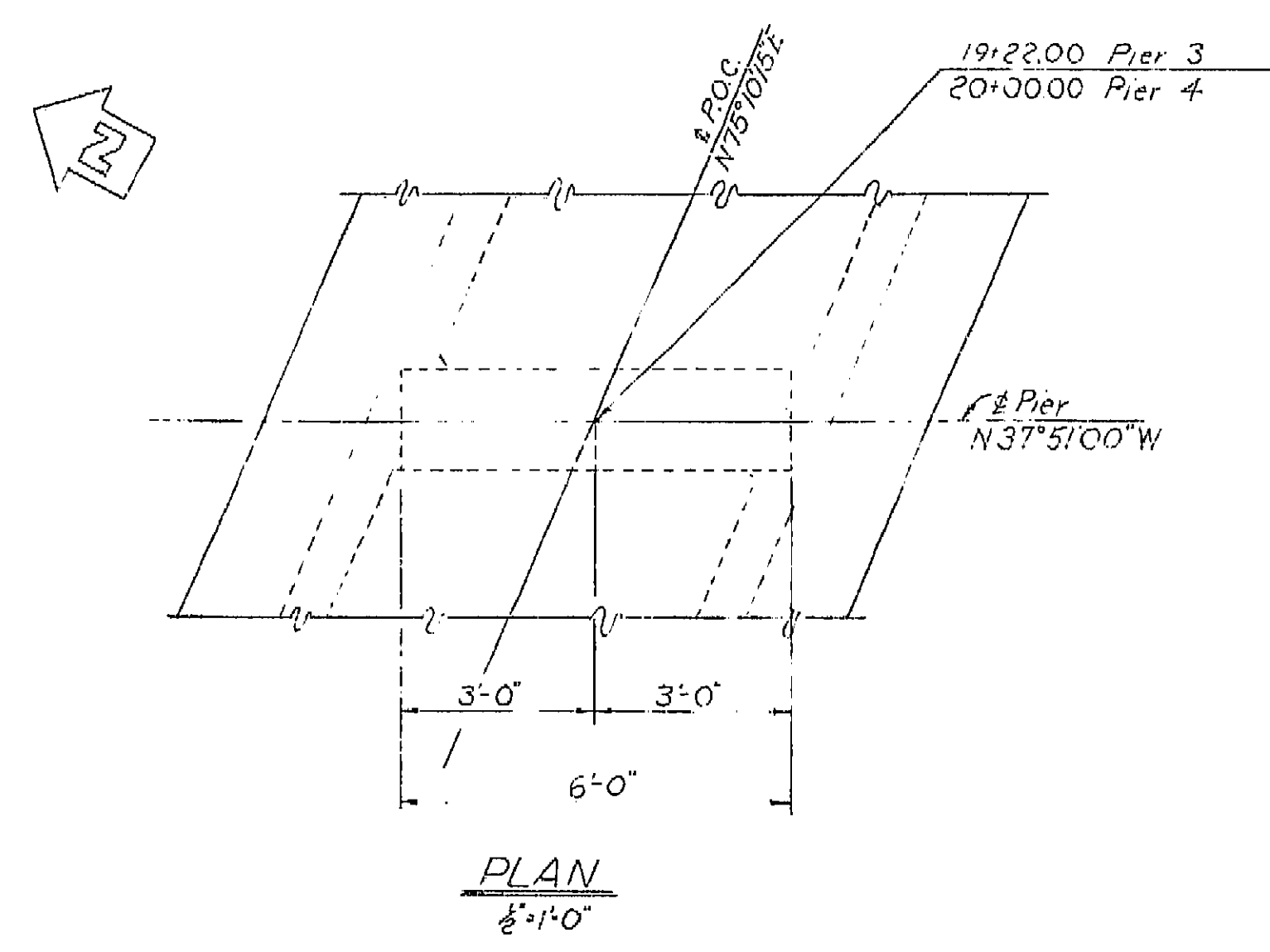
SCALE 1/8" = 1' SHOWN BRIDGE #2-215 FILE DRAWING C-42215-13

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE SIGNATURE TITLE







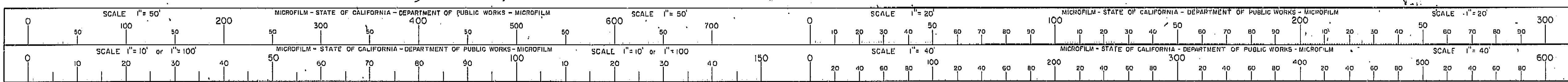
SPAN 3 JOINT DETAILS

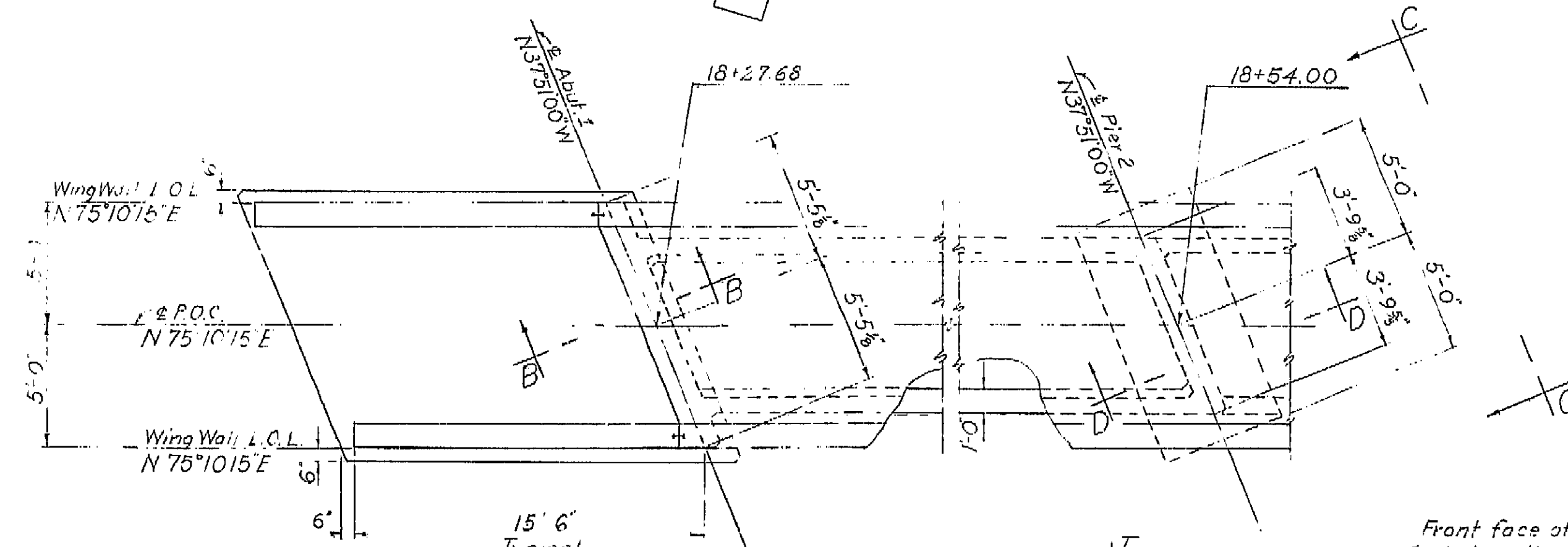
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT DESIGN SECTION 2		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Section Supervisor	M. J. Jaramila	COSMOS PLAYGROUND PEDESTRIAN O.C.	
DESIGN	Checked D. SHELTON 1/16/91	PIER 3 & 4 DETAILS	
DETAILS	By M. Camacho 1/6/91	SCALE As Noted BRIDGE 42-215 FILE DRAWING C-42215-7	
QUANTITIES	Checked D. SHELTON 1/16/91		
	By Bob SKIMMIN 2/6/91		
	Checked D. SHELTON 2/1/91		

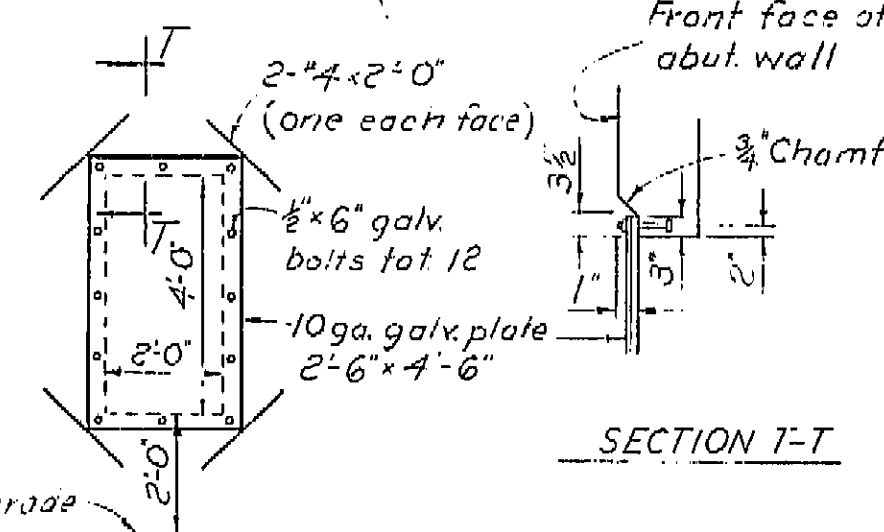
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-92 SIGNATURE [Signature] TITLE [Title]





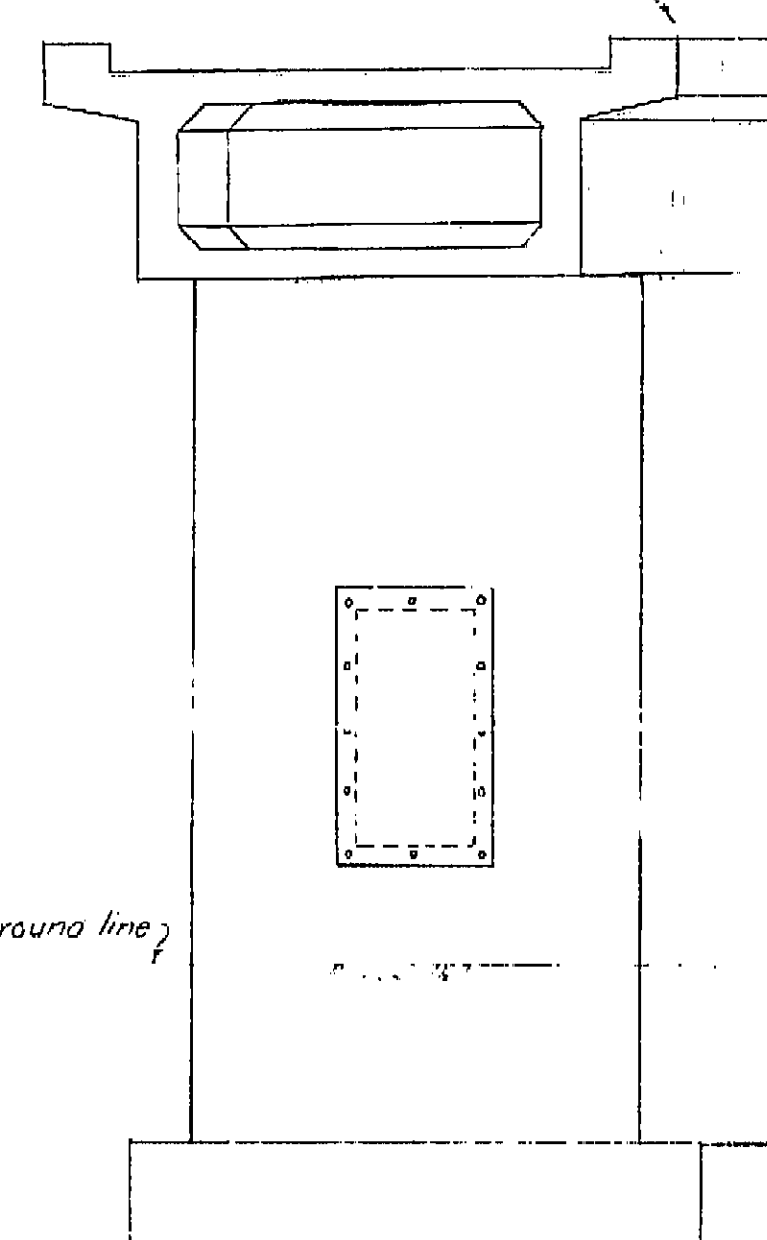
PLAN
1/4"=1'-0"



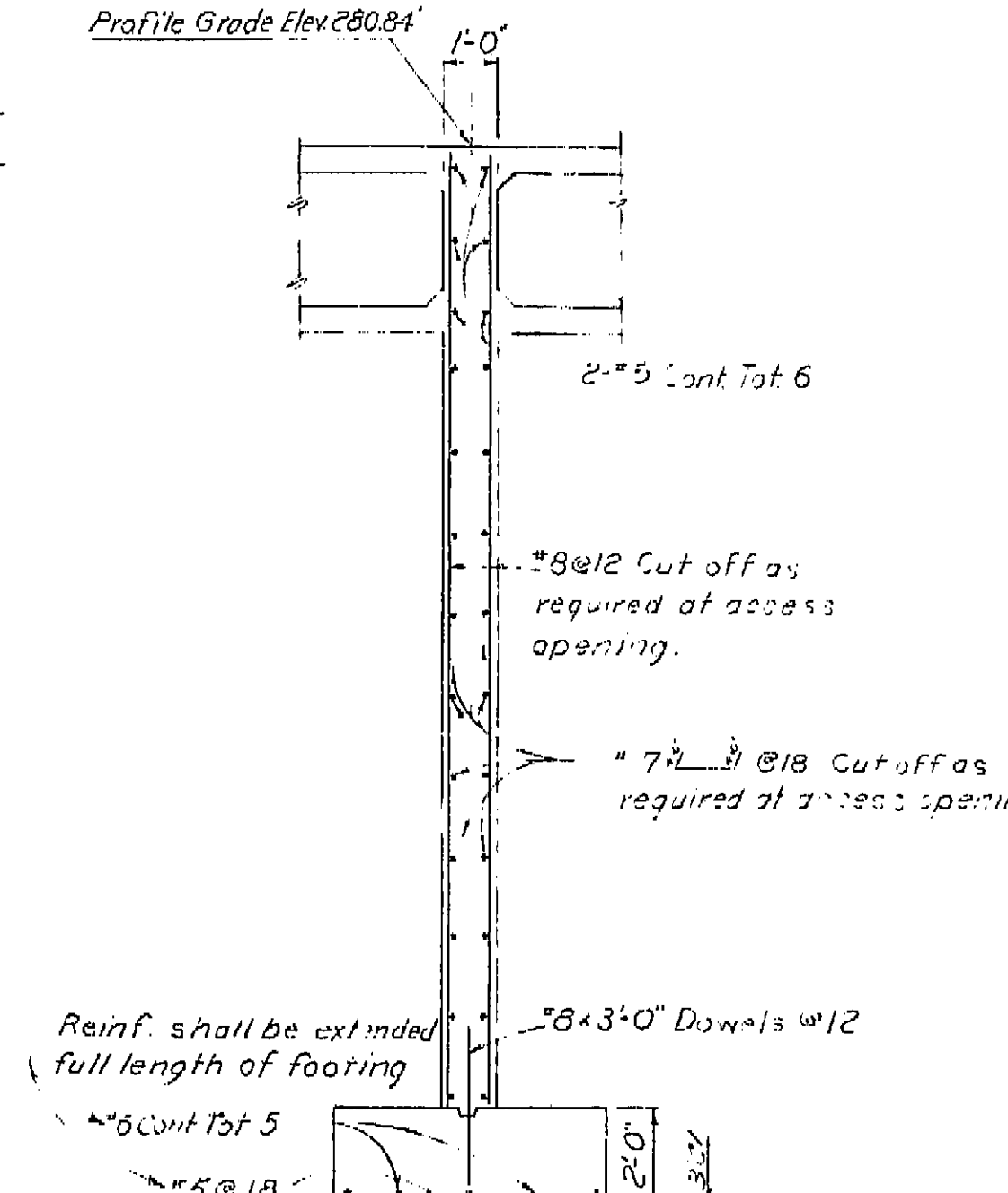
SECTION T-T

ACCESS DOOR
3/8"=1'-0"

Chain Link Enclosure not shown

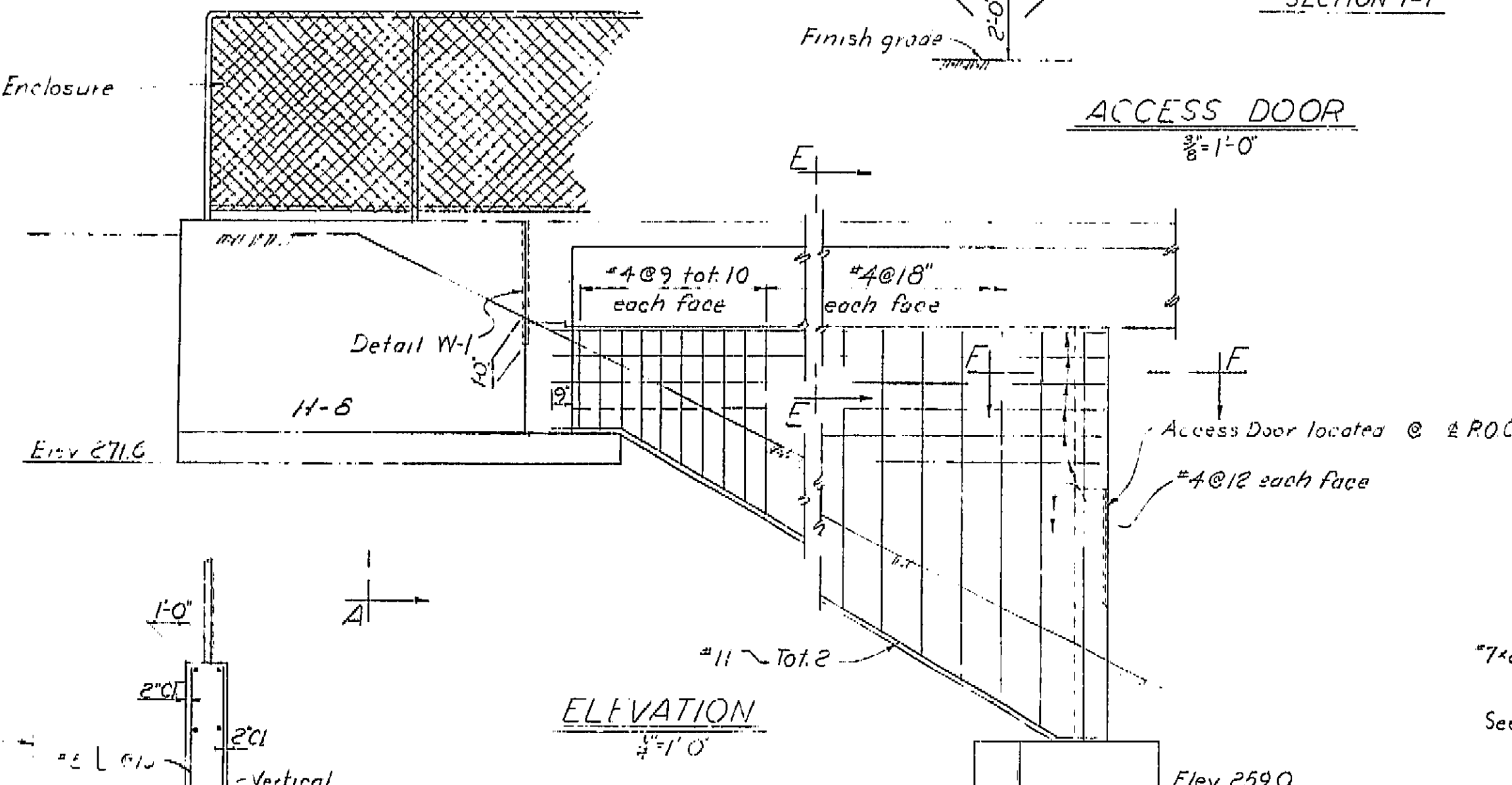


ELEVATION C-C
1/8"=1'-0"

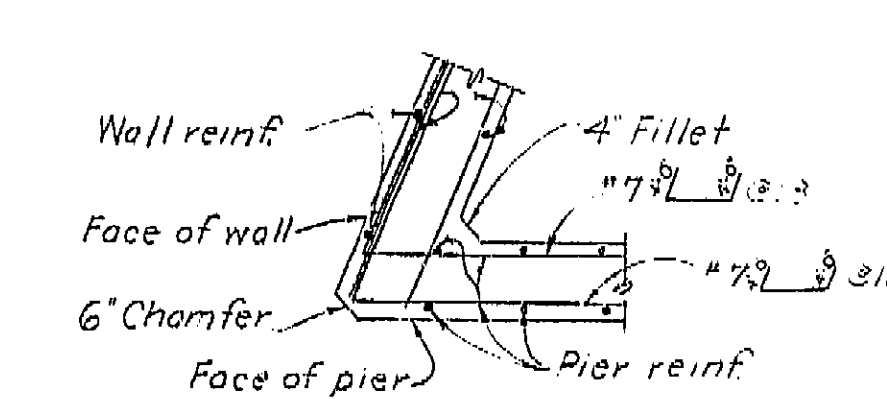


SECTION D-D
3/8"=1'-0"

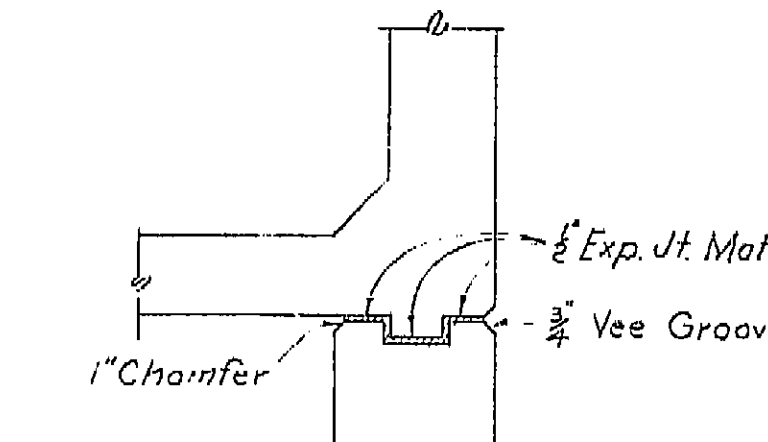
Chain Link Enclosure



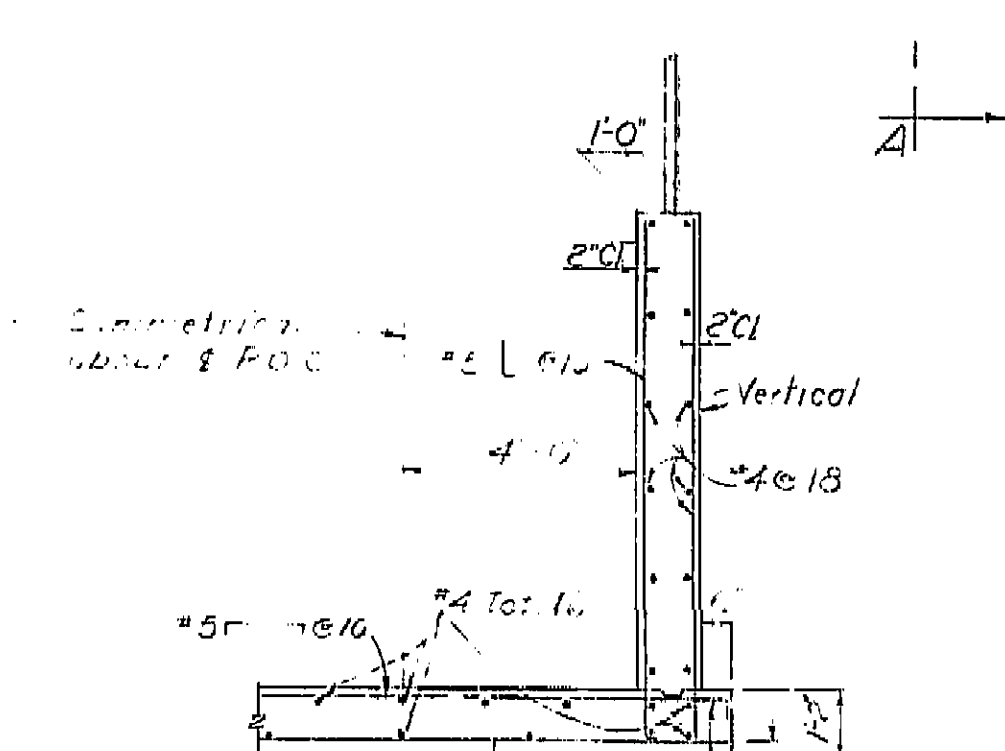
ELEVATION
1/4"=1'-0"



SECTION F-F
1/2"=1'-0"

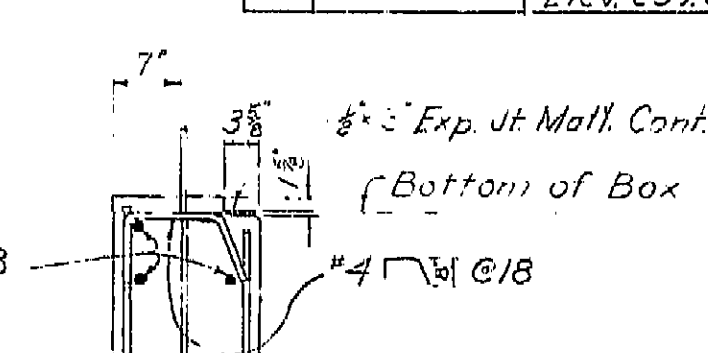


SECTION E-E
1/2"=1'-0"

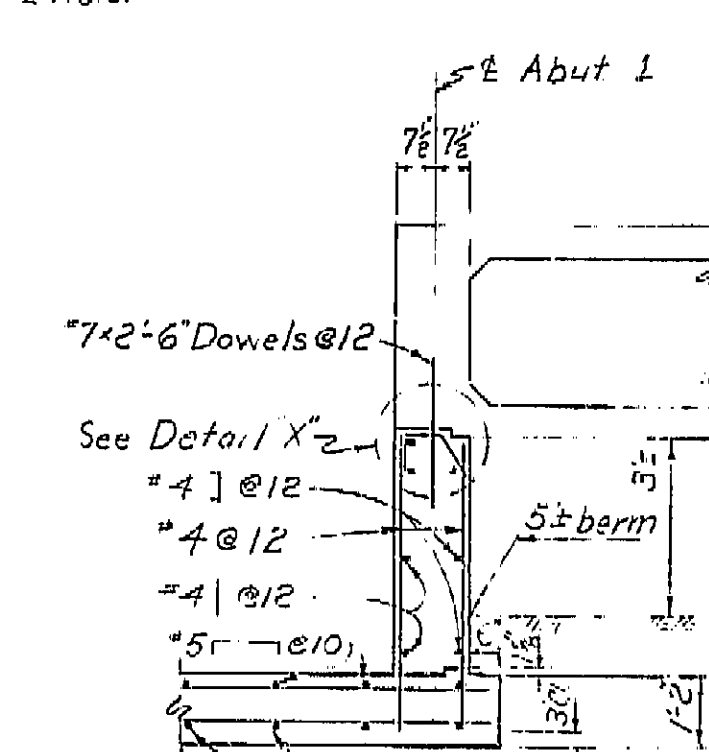


SECTION A-A
1/8"=1'-0"

Place transverse slab bars parallel to Abutment #1 and space along P.O.C.



DETAIL X-X
3/8"=1'-0"

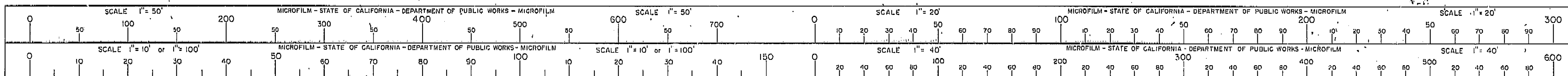


SECTION B-B
1/8"=1'-0"

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed _____
Document No. 60001062

BRIDGE DEPARTMENT DESIGN SECTION 2		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN	by A. L. A. 11/60	COSMOS PLAYGROUND PEDESTRIAN O.C.	
DETAILS	by M. Canacho 10/60	ABUTMENT 1 & PIER 2 DETAILS	
QUANTITIES	by Bob Skimin 7/61	SCALE As Noted BRIDGE 42-215 FILE DRAWING C.42215-3	

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DATE 1-12-72 SIGNATURE [Signature] TITLE [Title]



Notes
RTK

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1957

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date
RTK

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RTK

REVISION	DATE	BY	DESCRIPTION
1	10/1/57	W. J. ...	Initial design
2	10/1/57	W. J. ...	Revised design
3	10/1/57	W. J. ...	Final design

VI Fre 99

U-006-2(6)
F-006-2(5)

PROJECT	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VI Fre 99	Calif.		904	424

DATE	COUNTY	ROUTE	SECTION	BRIDGE NO.	TOTAL BRIDGES
11 Fre					

DATE APPROVED: August 28, 1957

GENERAL NOTES

Specifications:

Design: A.A.S.H.O. dated 1957 with revisions and as supplemented by Bridge Planning and Design Manual.

Construction: Standard Specifications, Division of Highways, dated January 1960 and the Special Provisions.

Live Loading: HS-20

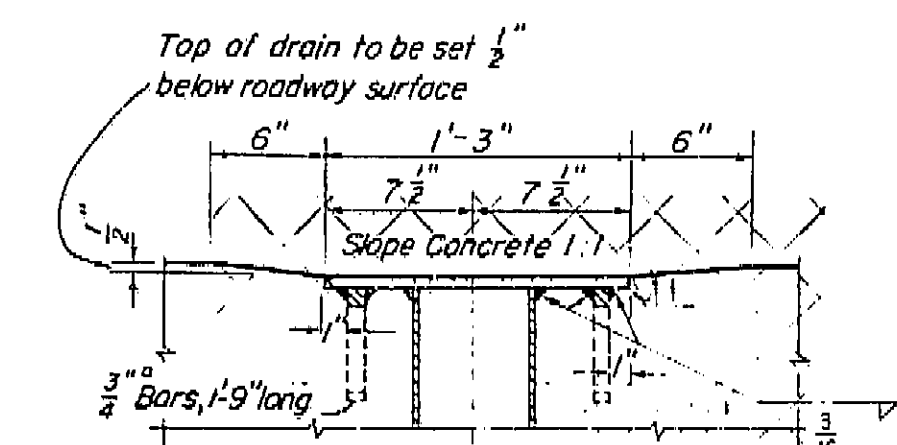
Unit Stresses:

Reinforced Concrete:
 $f_s = 20,000$ p.s.i.
 $n = 10$
 $f_c = 1,200$ p.s.i.

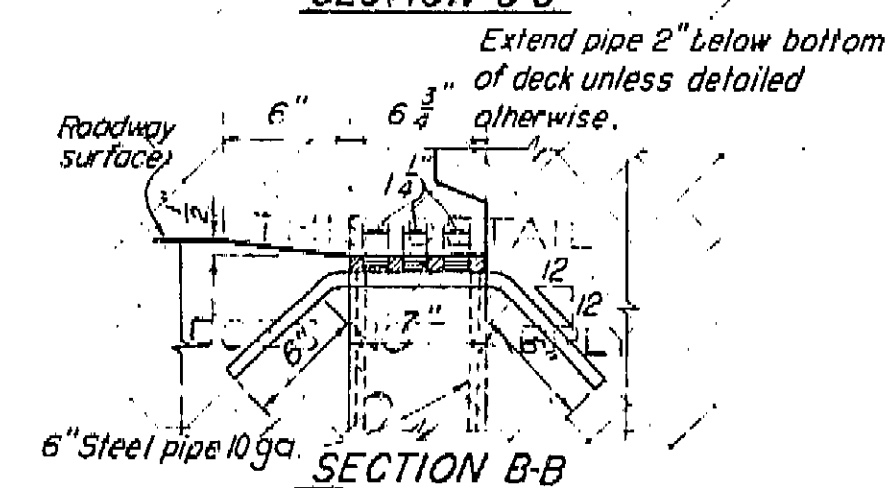
Footing Pressure:

Abut. 1 = 5 tons p.s.f.
Pier 5 = 12 tons p.s.f.
Pier 6 = 12 tons p.s.f.
Span 4 = 35 tons p.s.f.
Abut. 5 = 35 tons p.s.f.

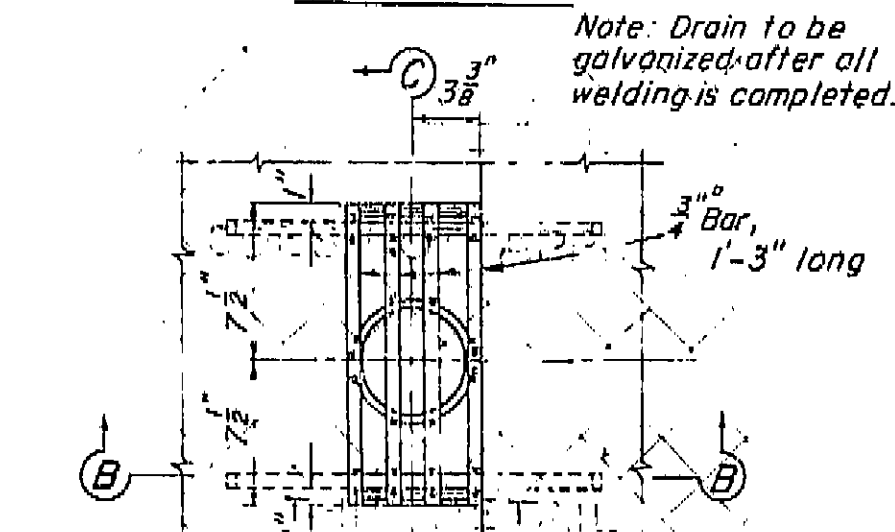
AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



SECTION C-C

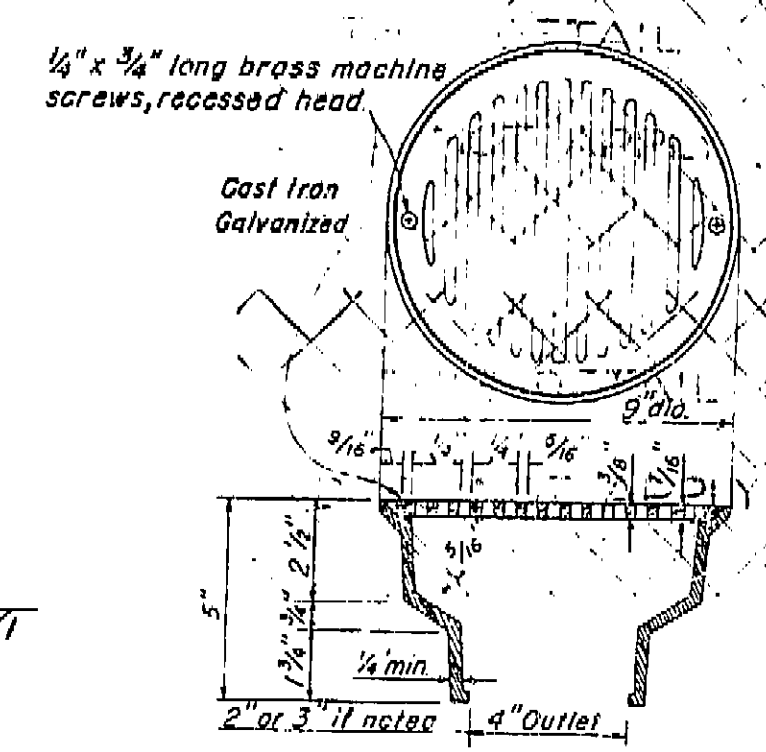


SECTION B-B



DRAIN DETAIL TYPE 'A'

Required
Scale: 1/2" = 1'-0"



AREA DRAIN

Required

Bolts to be cut off flush after concrete has set.

1/4 inch Bolts bend to suit in field.

Not galvanized 1/4 inch x 3/4 inch x 1'-0 inch Bar

Limit of galvanizing required of 1/4 inch bolts.

DETAIL OF ERECTION BOLTS

Scale: 1/2" = 1'-0"

BRIDGE DEPARTMENT		DESIGN SECTION	
Project Designer	W. J. ...	Checked	D. SHELTON
Chief Designer	W. J. ...	Checked	D. SHELTON
Design	M. L. Camacho	Checked	D. SHELTON
Details	M. L. Camacho	Checked	D. SHELTON
Quantities	M. L. Camacho	Checked	D. SHELTON
Specifications	M. L. Camacho	Checked	D. SHELTON

9/60	COSMOPOLITAN GROUND PEDESTRIAN O.C.
STANDARD DETAILS NO. 2 (BOX GIRDER)	
SCALE: As Noted	BRIDGE: +2-215
FILE: XS-16-40	DRAWING: C-42215-11

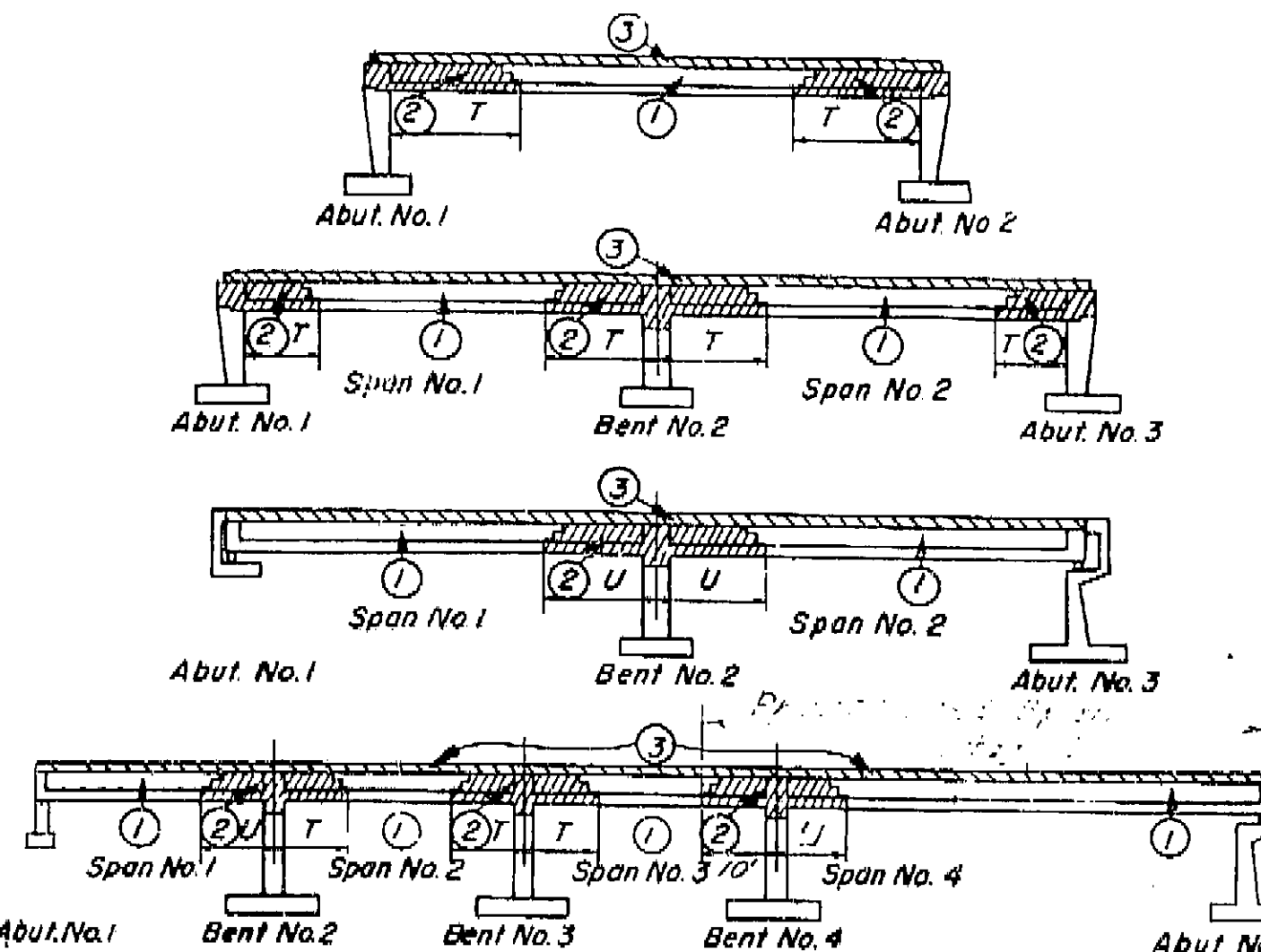
Approved Recommended by: [Signature]

PREL. DRAWING No. P-42215-9

Discard prints bearing earlier date.

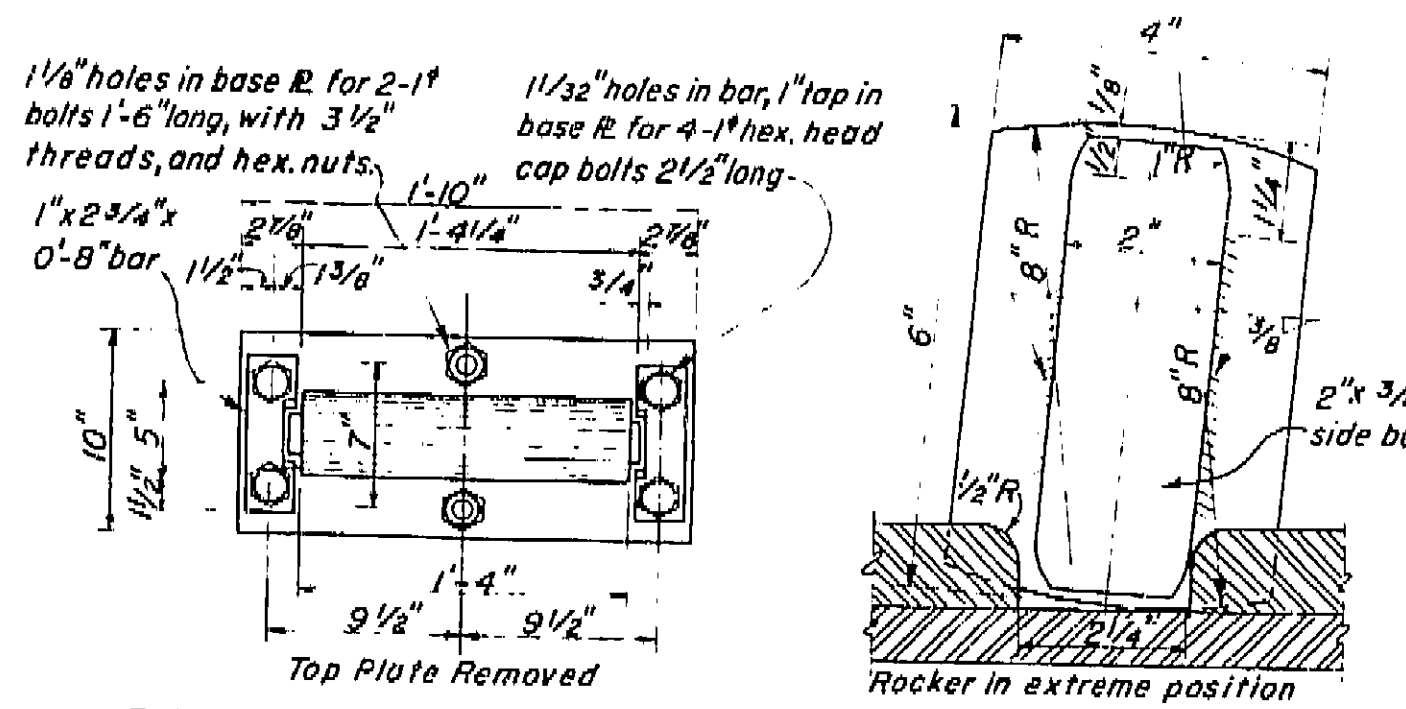
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DATE: 10/1/57 SIGNATURE: [Signature] TITLE: [Title]



BOX GIRDER SUPERSTRUCTURE PLACING DIAGRAM

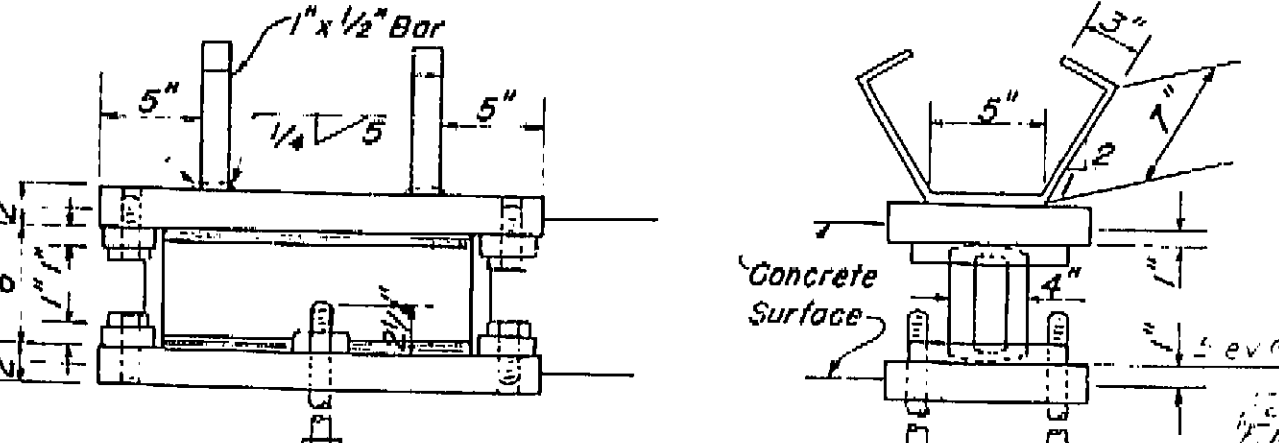
Numbers (1) and (2) indicate sequence of placing bottom slab and girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer, and provided that the (1) sections are placed in adjoining spans.
Top slab concrete (3) shall be placed separately from (1) and (2). (3) may be placed continuously or in parts as approved by the Engineer, however the only joints permitted shall be located within 2'-0" of the girder joints between (1) and (2).
 $T = \frac{1}{3}$ span length
 $U = \frac{1}{4}$ span length
For any deviation from the above the contractor shall submit a diagram to the Engineer.



BOTTOM PLATE PLAN

END VIEW OF ROCKER

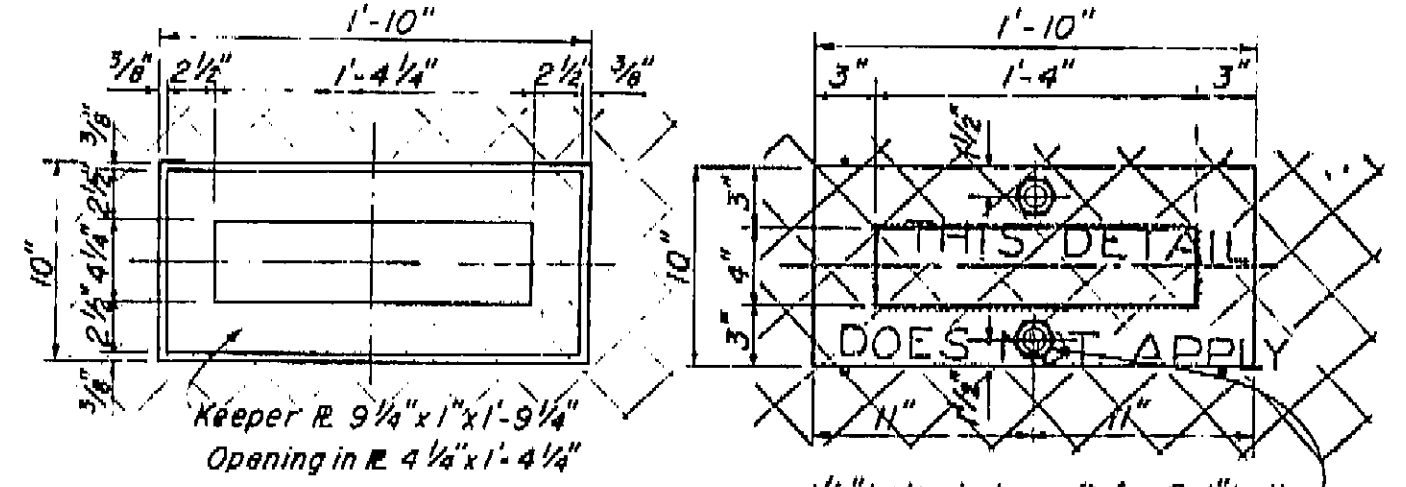
Scale: 6" = 1'-0"



NOTE: Set bottom plate in forms. Place concrete directly against bottom plate. All bearing assemblies to be galvanized after fabrication.

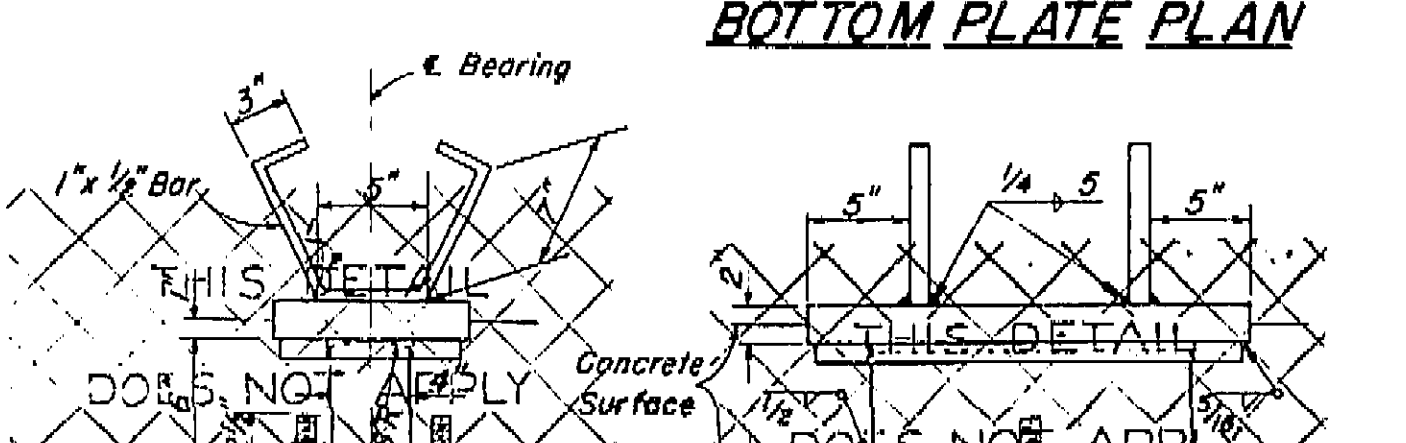
10x22 inch EXPANSION BEARING ASSEMBLY

2 Required Scale: 1/2" = 1'-0"



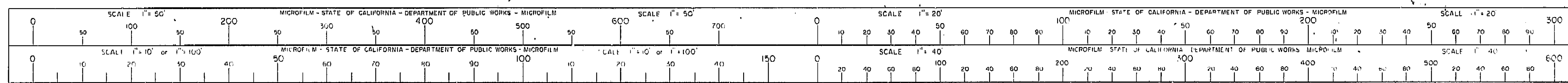
TOP PLATE

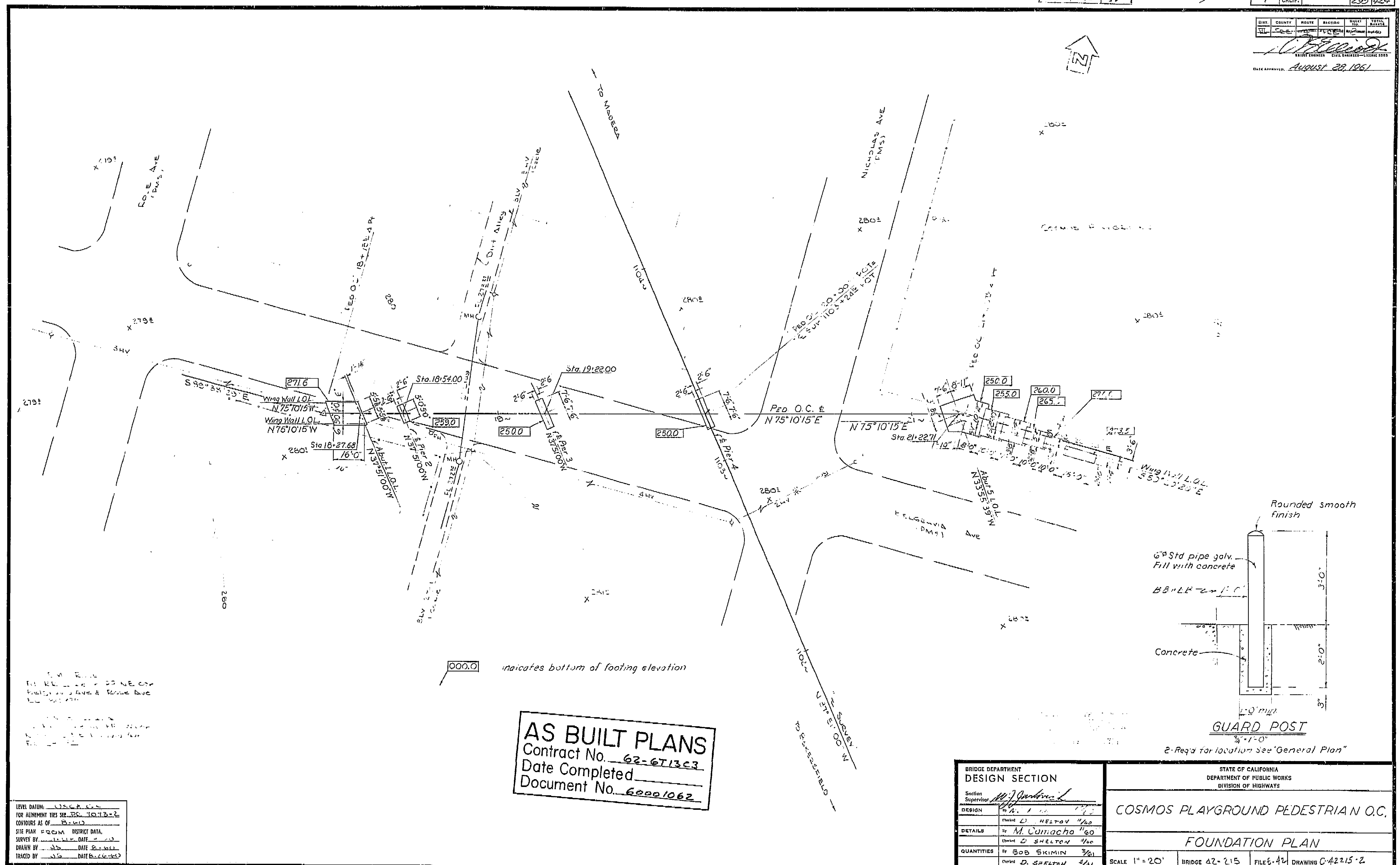
BOTTOM PLATE PLAN



10x22 inch FIXED BEARING ASSEMBLY

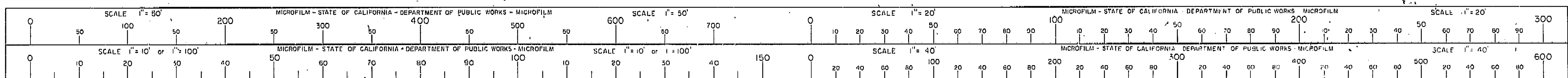
Required Scale: 1/2" = 1'-0"



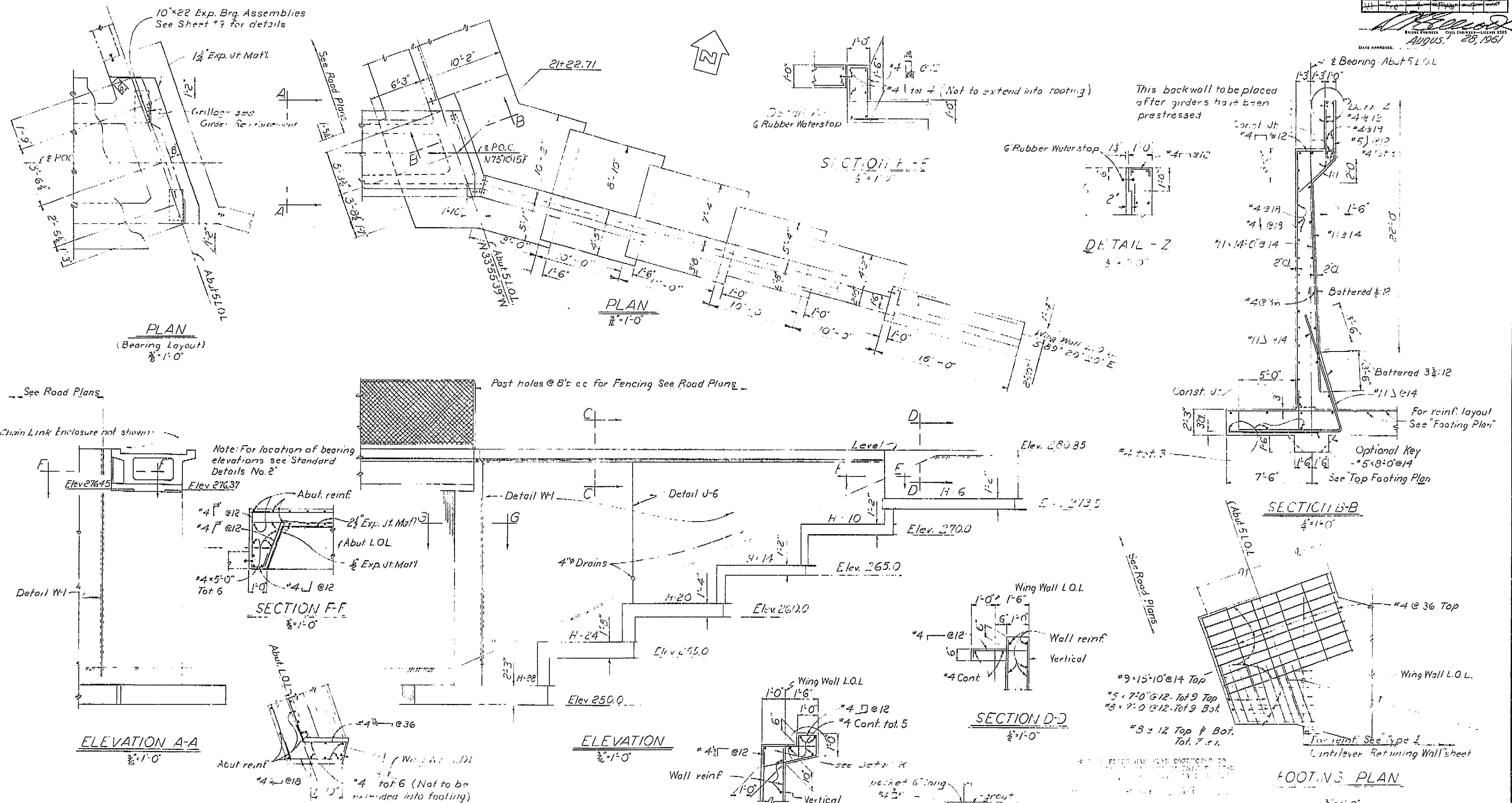


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DATE 1-13-72 SIGNATURE James E. Cant TITLE SR RMC



DATE APPROVED: August 28, 1961



AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT DESIGN SECTION 2		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Section Supervisor: <i>[Signature]</i>		COSMOS PLAYGROUND PEDESTRIAN O.C.	
DESIGN: <i>[Signature]</i> 11/60		ABUTMENT 5 DETAILS	
DETAILS: <i>[Signature]</i> 11/60		SCALE As Noted	
QUANTITIES: <i>[Signature]</i> 11/60		BRIDGE 42-215	
		FILE	
		DRAWING 6-42215-4	

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DATE 1-12-62 SIGNATURE *[Signature]* TITLE *[Title]*

